

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 11, 2005, 06:15:13 ; Search time 1148 Seconds

(without alignments)
10392.660 Million cell updates/sec

Title: US-09-721-183-2

Perfect score: 1713

Sequence: 1 atcgcatggaccaggatga.....gattttttcttctgtgac 1713

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 8443130 seqs, 3482420727 residues

Total number of hits satisfying chosen parameters: 16886260

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1694.6	98.9	1712	9	US-09-981-353-189
2	1694.6	98.9	1712	14	US-10-158-646-42
3	1570.6	91.7	2844	14	US-10-198-846-13134
4	1452.4	84.8	2799	9	US-09-880-107-3756
5	1451.4	84.7	1991	14	US-10-057-8348-1
6	1450	84.6	1855	9	US-09-880-107-2120
7	1450	84.6	1855	11	US-09-968-007A-368

8	1450	84.6	1855	11	US-09-968-007A-735	Sequence 735, App
9	1450	84.6	1855	20	US-10-783-528-57	Sequence 57, Appl
10	1450	84.6	1855	21	US-10-843-641A-6838	Sequence 6838, Ap
11	1450	84.6	1855	21	US-10-843-641A-7205	Sequence 7205, Ap
12	1443.6	84.3	1854	14	US-10-205-522-39	Sequence 39, Appl
13	1436.4	83.9	1714	9	US-09-981-353-193	Sequence 193, App
14	1425	83.2	2802	22	US-10-450-763-5515	Sequence 5515, Ap
15	1404.4	82.0	1859	22	US-10-450-763-5514	Sequence 5514, Ap
16	1374	79.1	2639	18	US-10-468-125-18	Sequence 18, Appl
17	1354.2	79.1	2092	14	US-10-205-522-7	Sequence 7, Appl
18	1343	78.4	2093	9	US-09-880-107-3842	Sequence 3842, Ap
19	1340	78.2	2111	22	US-10-450-763-5516	Sequence 5516, Ap
20	1190.8	69.5	1829	16	US-10-252-157-24	Sequence 24, Appl
21	1188.8	69.4	1976	14	US-10-205-522-112	Sequence 112, App
22	1188.8	69.4	2090	9	US-09-880-107-3292	Sequence 3292, Ap
23	1178	68.8	2150	9	US-09-981-353-45	Sequence 45, Appl
24	1178	68.8	2150	16	US-10-252-157-25	Sequence 25, Appl
25	1155.4	67.4	1816	22	US-10-491-183-62	Sequence 62, Appl
26	1154.6	67.4	2123	9	US-09-880-107-3286	Sequence 3286, Ap
27	1128.8	65.9	1413	13	US-10-060-311-1	Sequence 1, Appl
28	1128.8	65.9	1413	19	US-10-778-300-1	Sequence 1, Appl
29	1128.8	65.9	1413	24	US-11-013-907-1	Sequence 1, Appl
30	1075.8	62.8	1614	18	US-10-381-898-24	Sequence 24, Appl
31	1014.2	59.2	1662	18	US-10-307-817-117	Sequence 117, App
32	997.8	58.2	1608	21	US-10-498-788-57	Sequence 57, Appl
33	957	55.9	1356	22	US-10-491-183-98	Sequence 98, Appl
34	948.6	55.4	2573	21	US-10-764-420-2410	Sequence 2410, Ap
35	942.8	55.0	1961	9	US-09-917-800A-1403	Sequence 1403, Ap
36	928.6	54.2	1606	17	US-10-042-865-27	Sequence 27, Appl
37	928.6	54.2	1606	18	US-10-072-012-151	Sequence 151, App
38	870.2	50.8	1844	14	US-10-175-523-59	Sequence 59, Appl
39	870.2	50.8	1844	24	US-11-099-266-59	Sequence 59, Appl
40	833	48.6	2634	17	US-10-388-934-169	Sequence 169, App
41	832.6	48.6	1947	18	US-10-152-319A-2121	Sequence 2121, App
42	832.6	48.6	1947	21	US-10-486-706-279	Sequence 279, App
43	828.6	48.4	1593	18	US-10-152-319A-1908	Sequence 1908, Ap
44	797	46.5	1224	18	US-10-381-898-32	Sequence 32, Appl
45	751.2	43.9	1756	15	US-10-235-994-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-09-981-353-189
; Sequence 189, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 189
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 480489.5
US-09-981-353-189

Query Match	98.9%	Score	1694.6	DB	9	Length	1712
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Matches	1708	Conservative	0	Mismatches	4	Indels	1
Gaps	1						
Oy	1	ATCGCATGGACCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGTGATACATCTCCA	60				
Db	1	ATCGCATGGACCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGTGATACATCT-CA	59				

Qy	61	GTGTTACTTCTAGCTCTGGAGTTGTGAAAGTGTGTTGTGGCCGCGAATACAGCC	120
Db	60	GTGTTACTTCTAGCTCTGGAGTTGTGAAAGTGTGTTGTGGCCGCGAATACAGCC	119
Qy	121	ATTGGATGAATATCAAGACAATCTGAAAGCTTGTTCAGAGAGTTCATGAGGTGACTG	180
Db	120	ATTGGATGAATATCAAGACAATCTGAAAGAGCTTGTTCAGAGAGTTCATGAGGTGACTG	179
Qy	181	TACTGGCATCTCAGCTTCCATCTCTTTTGATCCCAATGATGCATCCACTCTTAAATTTG	240
Db	180	TACTGGCATCTCAGCTTCCATCTCTTTTGATCCCAATGATGCATCCACTCTTAAATTTG	239
Qy	241	AAGTTTATCCCTACATCTTTAACTAAACTGAAATTTGAGAATATCATCATCAACAGGTTA	300
Db	240	AAGTTTATCCCTACATCTTTAACTAAACTGAAATTTGAGAATATCATCATCAACAGGTTA	299
Qy	301	AGAGATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAA	360
Db	300	AGAGATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAA	359
Qy	361	TCCTGTGGGAATTATATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAGA	420
Db	360	TCCTGTGGGAATTATATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAAAATAGA	419
Qy	421	AAGTTATGAAAAAATAAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTC	480
Db	420	AAGTTATGAAAAAATAAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTC	479
Qy	481	CTGTGTGAGCTGCTGGCTGCGTACTTAAACATACGGTTTGTGTACAGTCTCGGCTTTA	540
Db	480	CTGTGTGAGCTGCTGGCTGCGTACTTAAACATACGGTTTGTGTACAGTCTCGGCTTTA	539
Qy	541	CTCTGTGCTACAAATTTGAAGGCACAGTGAGGACTGATTTTCCCTCTCTTACATAC	600
Db	540	CTCTGTGCTACAAATTTGAAGGCACAGTGAGGACTGATTTTCCCTCTCTTACATAC	599
Qy	601	CTATTTGTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAAATGA	660
Db	600	CTATTTGTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAAATGA	659
Qy	661	TCATATGCTTTATTTTGACTTTTGGTTCMAATGTCTGATATGAAGAAGTGGATCAGT	720
Db	660	TCATATGCTTTATTTTGACTTTTGGTTCMAATGTCTGATATGAAGAAGTGGATCAGT	719
Qy	721	TTTACAGTGAAGTTTATAGGAAGCCCACTACTTTATTTGAGACAATGGGAAAAGCTGACA	780
Db	720	TTTACAGTGAAGTTTATAGGAAGCCCACTACTTTATTTGAGACAATGGGAAAAGCTGACA	779
Qy	781	TATGGCTTATCGGAACTCCTGGAGTTTTCATTTCTCTCATCCATTTTACCAACGTTG	840
Db	780	TATGGCTTATCGGAACTCCTGGAGTTTTCATTTCTCTCATCCATTTTACCAACGTTG	839
Qy	841	ATTTTGTGGAGGATTCACCTGGCAAACTGCGCAAAACCCCTACCTAAGGAATGGAGAG	900
Db	840	ATTTTGTGGAGGATTCACCTGGCAAACTGCGCAAAACCCCTACCTAAGGAATGGAGAG	899
Qy	901	TTTGTACAGAGCTCTGAGAAAATGGTGTGTGTGTGTGTCTGTGGGTCAGTATAAGT	960
Db	900	TTTGTACAGAGCTCTGAGAAAATGGTGTGTGTGTGTGTCTGTGGGTCAGTATAAGT	959
Qy	961	AACATGACAGAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAG	1019
Db	1021	GTTCTGTGGAGATTTGATGGGAATAAACACAGATGCTTTAGTCTCAATACTCGGCTGTAT	1080
Db	1020	GTTCTGTGGAGATTTGACGGGAATAAACACAGATGCTTTAGTCTCAATACTCGGCTGTAT	1079
Qy	1081	AAGTGGATACCCCAAGATGACTTCTAGGTTCATCCAAAAACACAGAGCTTTTATAACTCAT	1140
Db	1080	AAGTGGATACCCCAAGATGACTTCTAGGTTCATCCAAAAACACAGAGCTTTTATAACTCAT	1139
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Db	1140	GGTGGACCAATGGCATCTATAGGCAATCTACCATGGATCCCTATGGTGGGCATTTCCA	1199
Qy	1201	TTGTTTTGGGATCAAACTGATACATTGCTCACATGAAGCCCAAGGAGCAGCTGTTAGA	1260
Db	1200	TTGTTTTTTGATCAAACTGATACATTGCTCACATGAAGCCCAAGGAGCAGCTGTTAGA	1259
Qy	1261	TTGGACTTCAACAATGTGAGTACAGACCTCTGTAATGCACCTGAAGACAGTAATTAAT	1320
Db	1260	TTGGACTTCAACAATGTGAGTACAGACCTCTGTAATGCACCTGAAGACAGTAATTAAT	1319
Qy	1321	GATCCTTTATATAAAGAGAATATATGAATAATCAAGAATTCAACATGATCAACAGTA	1380
Db	1320	GATCCTTTATATAAAGAGAATATATGAATAATCAAGAATTCAACATGATCAACAGTA	1379
Qy	1381	AAGCCCTCTGATCGAGCAGTCTTCTGGATTTGAATTTGTCTATGCCCAAAAGGAGCCAAA	1440
Db	1380	AAGCCCTCTGATCGAGCAGTCTTCTGGATTTGAATTTGTCTATGCCCAAAAGGAGCCAAA	1439
Qy	1441	CACCTTCGAGTTTCAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTATT	1500
Db	1440	CACCTTCGAGTTTCAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTATT	1499
Qy	1501	GGTTTTCTGCTGCGCTGTGTGGCAACTGTGATATTTATCATCAAAAAGTTTGTCTGTTT	1560
Db	1500	GGTTTTCTGCTGCGCTGTGTGGCAACTGTGATATTTATCATCAAAAAGTTTGTCTGTTT	1559
Qy	1561	TGTTTTCTGGAAGTTTCTAGAAAAGGGAAGAAAGAGATTTAGTTATGTCTGCACA	1620
Db	1560	TGTTTTCTGGAAGTTTCTAGAAAAGGGAAGAAAGAGATTTAGTTATGTCTGCACA	1619
Qy	1621	TTTGAAGCTGGAACCAACAGATAGTAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAA	1680
Db	1620	TTTGAAGCTGGAACCAACAGATAGTAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAA	1679
Qy	1681	GATTGTTATGCAAGATTTCTTTCTTCTCTGTGAC	1713
Db	1680	GATTGTTATGCAAGATTTCTTTCTTCTCTGTGAC	1712

RESULT 2

US-10-158-646-42
; Sequence 42, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 42
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 480489.3
US-10-158-646-42

Query Match	98.9%	Score	1694.6	DB	14	Length	1712
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Db	1	ATCGCATTCGACCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCT-CA	59				
Qy	61	GTGTGTTACTTTAGCTCTGGAGATTGTGGAAGTTGTGGTGTGGCCGCGAATACAGCC	120				

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Qy 181 TACTGGCATCTTACGCTTCCATCTCTTTTGTGATCCCAATGATGCAATCCACTCTTAAATTTG 240
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Db 240 AAGTTTATCTACATCTTTTAACTAAAAGTCTGTTTGAATATGAGAAATATCATCATGCAACAGGTTA 299
Qy 301 AGAGATGTCAGACATCTCGAAAGAGTACGTTTGTGTTATATTTTCAAGAAACAAAGAAA 360
Db 300 AGAGATGTCAGACATCTCGAAAGAGTACGTTTGTGTTATATTTTCAAGAAACAAAGAAA 359
Qy 361 TCCTGTGGGAATATATGACATATTTAGAAACTTCTGTGAAAGATGATGTTTCAAAATAGA 420
Db 360 TCCTGTGGGAATATATGACATATTTAGAAACTTCTGTGAAAGATGATGTTTCAAAATAGA 419
Qy 421 AAGTTTATCAAAAAGTCTCAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTTC 480
Db 420 AAGTTTATCAAAAAGTCTCAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTTC 479
Qy 481 CCTGTGTGAGTCTGTGCTGCTGCTTACTTAAACATACAGGTTTGTGTACAGTCTCCGCTTTA 540
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Db 600 CTATGTTTATCTCAAAATTAAGTGAATCAAAATGACCTTTCATGGAGGGTAAATAATAGA 659
Qy 661 TCTATGCTCTTATTTTACCTTTTGGTTCCAAATGCTGTGATATGAAGTGGGATCAGT 720
Db 660 TCTATGCTCTTATTTTACCTTTTGGTTCCAAATGCTGTGATATGAAGTGGGATCAGT 719
Qy 721 TTTACAGTGAATTTTAGAAGACCCACTACTTATTTAGACAAATGGGAAAGCTGACA 780
Db 720 TTTACAGTGAATTTTAGAAGACCCACTACTTATTTAGACAAATGGGAAAGCTGACA 779
Qy 781 TATGCTTATCGGAACTCCTGGAGTTTTCATTTCCCTCATCCATCTTACCAACGTTG 840
Db 780 TATGCTTATCGGAACTCCTGGAGTTTTCATTTCCCTCATCCATCTTACCAACGTTG 839
Qy 841 ATTTTGTGGAGGATTCACCTGGCAAACTCGCCAAACCCCTACCTTAAGGAAATGGAGGAG 900
Db 840 ATTTTGTGGAGGATTCACCTGGCAAACTCGCCAAACCCCTACCTTAAGGAAATGGAGGAG 899
Qy 901 TTTGTACAGACTCTGGAGAAAATGTTGTTGTTGTTTCTCTGGGTCAGTGAATG 960
Db 900 TTTGTACAGACTCTGGAGAAAATGTTGTTGTTGTTTCTCTGGGTCAGTGAATG 959
Qy 961 AACATGACAGAAAAGGGCCAAATGTAATTCGAACAGCCCTTGCAGAGATCCCAAAAAG 1020
Db 960 AACATGACAGAAAAGGGCCAAATGTAATTCGAACAGCCCTTGCAGAGATCCCAAAAAG 1019
Qy 1021 GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTTAGTCTCAATPACTCGCTGTAT 1080
Db 1020 GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTTAGTCTCAATPACTCGCTGTAT 1079
Qy 1081 AAGTGGATACCCCAAGATGACCTTCTAGGTGATCCAAAACCAAGAGCTTTTATAACTCAT 1140
Db 1080 AAGTGGATACCCCAAGATGACCTTCTAGGTGATCCAAAACCAAGAGCTTTTATAACTCAT 1139
Qy 1141 GGTGAGGCAATGGCATCTTATAGGCAATCTACCAATGGGATCCCTATGGTGGGATTTCCA 1200
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Db 1200 TTGTTTTGGGATCAACCTGATAAATCTCTCAATGAGGCAAGGGAGAGCTCTTTAGA 1259
Qy 1261 TTGACTTTCAACAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAAATTAAT 1320
Db 1260 TTGACTTTCAACAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAAATTAAT 1319
Qy 1321 GATCCTTTATATAAAGAGAAATATTATGAAATTTATCAAGAAATTCACATGATCAACAGTA 1380
Db 1320 GATCCTTTATATAAAGAGAAATATTATGAAATTTATCAAGAAATTCACATGATCAACAGTA 1379
Qy 1381 AAGCCCTTGGATCGAGCAGTCTTCTGGATTGAAATTTGTGATGCCCCCAAAAGGAGCCAAA 1440
Db 1380 AAGCCCTTGGATCGAGCAGTCTTCTGGATTGAAATTTGTGATGCCCCCAAAAGGAGCCAAA 1439
Qy 1441 CACCTTGGATTGAGGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATT 1500
Db 1440 CACCTTGGATTGAGGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATT 1499
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Db 1500 GGGTTTCTGCTGCTGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT 1559
Qy 1561 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGAAAGAGAGATTTAGTTATGCTGACA 1620
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Qy 1621 TTTGAAGCTGGAACCAAGATAGATAGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAA 1680
Db 1620 TTTGAAGCTGGAACCAAGATAGATAGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAA 1679
Qy 1681 GATTGTTATCAAGATTTCTTCTTCTGCTGAC 1713
Db 1680 GATTGTTATCAAGATTTCTTCTTCTGCTGAC 1712
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RESULT 3

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US-10-198-846-13134
; Sequence 13134, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Yongvao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13134
; LENGTH: 2844
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833,
; LOCATION: 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843,
; LOCATION: 2844
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13134
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Query Match 91.7%; Score 1570.6; DB 14; Length 2844;
Best Local Similarity 96.4%; Pred. No. 0;
Matches 1628; Conservative 0; Mismatches 59; Indels 2; Gaps 2;
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Best Local Similarity 92.2%; Pred. No. 0; Matches 1553; Conservative 0; Mismatches 126; Indels 5; Gaps 2;				
Qy	8	TGACACAGGATGACTCTCAAAATGGAGCTTCAGTCTCTCTGCTGATACATCTCCAGTTGTTA	67	
Db	2	TGCACAAGGATGGCTCTGAAATGAGCTACAGTCTCTGCTGATACAACCT---CAGTGTTTTA	57	
Qy	68	CTTTAGCTCTGGGAGTTGTGGAAAAGTCTGGTGTGGGCGCCAGAAATACAGCCATTGGAT	127	
Db	58	CTTTAGCTCTGGGAGTTGTGGAAAAGTCTGGTGTGGGCGCCAGAAATACAGCCATTGGAT	117	
Qy	128	GAATATGAAGACAATCTGAAAGAGCTTGTTCAGAGAGGTCACTGAGGTGACTGTACTGGC	187	
Db	118	GAATATGAAGACAATCTGAAAGAACTTGTTCAGAGAGGTCACTGAGGTGACTGTACTGGC	177	
Qy	188	ATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGSCATCCATCTTAAATTTGAAGTTTA	247	
Db	178	ATCTTCAGCTTCCATTCTTTTGTATCCCAAGACTCATCACTCTTAAACTTGAAGTTTA	237	
Qy	248	TCCTACATCTTTAACTAAACTGAATTTGAGAAATATCATCATGCAACAGGTTAAGAGATG	307	
Db	238	TCCTACATCTTTAACTAAACTGAATTTGAGAAATATCATCATGCAATTTGGTTAAGAGATT	297	
Qy	308	GTACAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCAAGAAACAAGAAATCCCTGTG	367	
Db	298	GTACAGAAATTCAAAAGATACATTTTGTATACCTTTTTCACAGAAACAAGAAATCCCTGTG	357	
Qy	368	GGAAATTAATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAAGTTAT	427	
Db	358	GGCAATTAATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAATTTAT	417	
Qy	428	GAIAAACTCAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGTGG	487	
Db	418	GAIAAACTCAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTTATTTTACCTGTGG	477	
Qy	488	TGAGCTGCTGGCTACTTAAATACAGTGTGTGACAGTCTCCGCTTTTACTCTCTGG	547	
Db	478	TGAGCTGCTGGCTACTTAAATACAGTGTGTGACAGTCTCCGCTTTTACTCTCTGG	537	
Qy	548	CTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTACATACCTATTGT	607	
Db	538	CTACTCATTTGAAAGGCACAGTGGAGGATTTATTTTCCCTCTTCTACGCTACCTGTTGT	597	
Qy	608	TATGTCAAAATTAAGTGATCAAAATGACTTTTCATCGAGAGGGTAAATAATATGATCTATGT	667	
Db	598	TATGTCAAAATTAAGTGATCAAAATGACTTTTCATCGAGAGGGTAAATAATATGCTCTATGT	657	
Qy	668	GCTTTATTTTACACTTTTGGTTCCAAATCTCTGATATGAAGAGTGGGATCAGTTTTCACAG	727	
Db	658	GCTTTATTTTACACTTTTGGTTCCAAATATTTAAATATGAAGAGTGGGATCAGTTTTCACAG	717	
Qy	728	TGAAGTTTTAGCAAGACCCACTACTTATTTTGAACAATGGGAAAGCTGACATATGGCT	787	
Db	718	TGAAGTTTTAGCAAGACCCACTACTATCTGACACAATGAGGAAGCTGACATATGGCT	777	
Qy	788	TATGCAAACTCTGGAGTTTTCATTTTCCCTCATCTTCTTACCAACGTTGATTTGT	847	
Db	778	TATGCAAACTCTGGAAATTTTAAATTTTCCCTCATCTTCTTACCAATGTTGATTTGT	837	
Qy	848	TGGAGGATTCACATGGGCAAACTGCGCAACCCCTACCTAAGGAATGGAGAGTTTGTAC	907	
Db	838	TGGAGGATTCACACT- GCAAACTGCGCAACCCCTACCTAAGGAATGGAGAGTTTGTAC	896	
Qy	908	AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAAGTGAATAAGTAAACATGA	967	
Db	897	AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAAGTGAATAAGTAAACATGA	956	
Qy	968	CAGCAGAAAGGGCCCAATTAATTCACACAGCCCTTGCACAGATCCCAAAAGGTTCTGT	1027	
Db	957	CAGAAGAAAGGGCCCAACGTAATTCACACAGCCCTTGCACAGATCCCAAAAGGTTCTTT	1016	
Qy	1028	GGAGATTTGATGGGGAATTAACAGATGCCCTTAGGTCTCAATACTCGGCTGTATAGTGA	1087	

Db	1017	GGAGATTTGATGGGAATAAACACAGATGCCCTTAGGTCTCAATCTCGACTGTACAAGTGA	1076	
Qy	1088	TACCCAGAAATGACCTTTCTAGGTCAATCCAAAACACAGAGCTTTTATTAACATCATGCTGGAG	1147	
Db	1077	TACCCAGAAATGACCTTTCTAGGTCAATCCAAAACACAGAGCTTTTATTAACATCATGCTGGAG	1136	
Qy	1148	CCAATGSCATCTATGAGGCAATCTACCATGGATCCCTATGGTGGGCAATTCATTTGTTTT	1207	
Db	1137	CCAATGSCATCTATGAGGCAATCTACCATGGATCCCTATGGTGGGCAATTCATTTGTTTT	1196	
Qy	1208	GGGATCAACCTGATAACATTTGCTCACATGAAGGCCAAAGGGAGCAGCTGTTAGATTGGACT	1267	
Db	1197	TTGATCAACCTGATAATATTTGCTCACATGAAGGCCAAAGGGAGCAGCTGTTAGACTGGACT	1256	
Qy	1268	TCAACACAATGTGAGTACAGAGCTGCTGAATGCATGAAAGACAGTAAATTAATGATCCTT	1327	
Db	1257	TCAACACAATGTGAGTACAGAGCTGCTGAATGCATGAAAGACAGTAAATTAATGATCCTT	1316	
Qy	1328	TATATAAGAGAATATTTATGAAATTTATCAAGAAATTCACCATGATCAACAGTAAAGCCCC	1387	
Db	1317	CATATAAGAGAATATTTATGAAATTTATCAAGAAATTCACCATGATCAACAGTAAAGCCCC	1376	
Qy	1388	TGGATCGAGCAGCTTTCTGGAATTTGAATTTGTCATGCCCCCACAAGAGGCCAACACCTTC	1447	
Db	1377	TGGATCGAGCAGCTTTCTGGAATTTGAATTTGTCATGCCCCCACAAGAGGCCAACACCTTC	1436	
Qy	1448	GAGTTCAGGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTTGGGTTTC	1507	
Db	1437	GAGTTCAGGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTTGGGTTTC	1496	
Qy	1508	TGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTCT	1567	
Db	1497	TGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTCT	1556	
Qy	1568	GGAAGTTTGTAGAAAAAGGGAAGGAAAAAGAGATTAGTTATGTCTGACATTTGAAG	1627	
Db	1557	GGAAGTTTGTAGAAAAAGGGAAGGAAAAAGAGATTAGTTATGTCTGACATTTGAAG	1616	
Qy	1628	CTGGAACCAGATAGATAGACAACTTTCAGTTTATTTCCAGCAAGAAAGAAAGATTTGTT	1687	
Db	1617	CTGGAATTTCCGTTTATTTGAAGATTTCAGTTTACCTGAATCAAGTTAACCCAGTCTCAA	1676	
Qy	1688	ATGC 1691		
Db	1677	ATGC 1680		
RESULT 5				
US-10-057-834A-1				
; Sequence 1, Application US/10057834A				
; Publication No. US20030099960A1				
; GENERAL INFORMATION:				
; APPLICANT: RATAIN, MARK J.				
; APPLICANT: INNOCENTI, FEDERICO				
; APPLICANT: DAS, SOMA				
; APPLICANT: IYER, LALITHA				
; APPLICANT: SAWYER, MICHAEL				
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OPTIMIZING UGT2B7 SUBSTRATE DOSINGS				
; FILE REFERENCE: ASCD.358US				
; CURRENT APPLICATION NUMBER: US/10/057,834A				
; PRIOR FILING DATE: 2002-08-22				
; PRIOR APPLICATION NUMBER: UNKNOWN				
; PRIOR FILING DATE: 2002-01-25				
; NUMBER OF SEQ ID NOS: 78				
; SOFTWARE: PatentIn Ver. 2.1				
; SEQ ID NO 1				
; LENGTH: 1991				
; TYPE: DNA				
; ORGANISM: Homo sapiens				
; FEATURE:				
; NAME/KEY: CDS				
; LOCATION: (151)..(1740)				

US-10-057-834A-1

Query Match 84.7%; Score 1451.4; DB 14; Length 1991;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1570; Conservative 0; Mismatches 136; Indels 7; Gaps 3;

Qy	1	ATGCGATTGCACAGGATGACTCTGAAATGGACTTCAGTTCTTCTGTGTATACATCTCCA	60
Db	135	ATTGCAITGCAACAGGATGCTGTGAAATGGACTTCAGTAAATTTTGTCTAATACAACT-GA	193
Qy	61	GTTGTTACTTTAGCTCTGGGAGTGTGGAAGTGCTGGTGTGGCCGCGAGATACAGCC	120
Db	194	GCITTTTCTGTTAGCTCTGGGAATTTGTGGAAGTGCTGGTGTGGGCGAGAAATACAGCC	253
Qy	121	ATTGGATGAATATGAAGACAACTCCTGAAGAGCTTTGTTCAAGAGAGTTCATGAGGTGACTG	180
Db	254	ATTGGATGAATATGAAGACAACTCCTGGATGAGCTTATTCAAGAGAGTTCATGAGGTGACTG	313
Qy	181	TACTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAATGATGCATCCACTCTTAATTTTG	240
Db	314	TACTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAACTCATCCGCTCTTAAATTTG	373
Qy	241	AAGTTTATCTACATCTTTAACTAAACTGAAATTTGAGAAATATCATCATCAACAGGTTA	300
Db	374	AAATTTATCCACATCTTTAACTAAACTGAGTTGGGAAATTTTCATCATCAACAGATTA	433
Qy	301	AGAGATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTCAAGAAACAAGAAA	360
Db	434	AGAGATGGTCAGACCTTCCAAAGATACATTTTGGTTATATTTTCAAGATGACAGAAA	493
Qy	361	TCCTGTGGGAATATATGAATATTTAGAACTTCTGTAAGATGTATAGTTTCAAAATAGA	420
Db	494	TCATGTCAATATTTGGTGACATACTAGAAAGTCTCTGTAAGATGTATAGTTTCAAAATAGA	553
Qy	421	AAGTTATGAATAACTACAGAGTCAGATTTGACATCGTTTTCGAGATGCTGTTTTTC	480
Db	554	AAATTATGAATAAAAGTACAGAGTCAAGATTTGACGTCTATTTTGGCAGATGCTATTTTTC	613
Qy	481	CCTGTGTGAGCTGCTGGCTGCGCTACTTAACATACACGTTTGTGTACAGTCTCGCTTTTA	540
Db	614	CCTGTGTGAGCTGCTGGCTGAGCTATTTAAATACATACCTTTTGTGTACAGTCTCAGCTTCT	673
Qy	541	CTCCTGGCTACACAAATTTGAAGGCACAGTGGAGGACTGATTTTCCCTCTCTTCCATAC	600
Db	674	CTCCTGGCTACACTTTTGAAGGCATAGTGGAGGATTTATTTTCCCTCTCTTCCATAC	733
Qy	601	CTATTGTTATGTCNAATTAAGTATCAATGACTTTTCATGGAGAGGTTAAATAATGA	660
Db	734	CTGTTGTTATGTCAGAAATTAACATGATCAATGACTTTTCATGGAGAGGTTAAATAATGA	793
Qy	661	TCTATGTGCTTTATTTTGGCTTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGT	720
Db	794	TCTATGTGCTTTATTTGACTTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGT	853
Qy	721	TTTACAGTGAAGTTTATAGGAAGACCCACTACCTTATTTGAGACAAATGGGAAAAGCTGACA	780
Db	854	TTTATAGTGAAGTTTATAGGAAGACCCACTACCTTATTTGAGACAAATGGGAAAAGCTGACG	913
Qy	781	TATGGCTTATCGGAACTCCTGGAGTTTTCAAATTCCTCATCCATCTTACCAACGTTG	840
Db	914	TATGGCTTATTCGAACTCCTGGAAATTTTTCAGTTTTCCTCATCCACTCTTACCAAAATTTG	973
Qy	841	ATTTTGTGGAGGATTCACCTGGCAAACTCGCCAAACCCCTACCTTAAGGAAATGGAGGAG	900
Db	974	ATTTTGTGGAGGATTCACCT-GCAAACTTCGCAAAACCCCTGCTTAAGGAAATGGAGGAG	1032
Qy	901	TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	960
Db	1033	TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1092
Qy	961	AACATGACAGCAGAAAGGGCCCATGTAATTTGCAACAGCCCTTGCAGATCCCAACAAAG	1020
Db	1093	AACATGACAGAAAGGGCCCAAGTAAATTTGCAATCAGCCCTGGCCCAAGATCCCAACAAAG	1152

Qy	1021	GTTCTGTGGAGATTTGATGGGAATAAACACAGATGCCTTAGGTCTCAATACTCGGCTGTAT	1080
Db	1153	GTTCTGTGGAGATTTGATGGGAATAAACACAGATACCTTAGGTCTCAATACTCGGCTGTAT	1212
Qy	1081	AAGTGATACCCAGAAATGACCTTCTAGGTTCATCCAAAACACAGAGCTTTTATAACTCAT	1140
Db	1213	AAGTGATACCCAGAAATGACCTTCTAGGTTCATCCAAAACACAGAGCTTTTATAACTCAT	1272
Qy	1141	GGTGGAGCAATGGCATCTATAGGCAATCTACCATGGGATCCTATGGTGGGCAATTTCCA	1200
Db	1273	GGTGGAGCAATGGCATCTACAGGCAATCTACCATGGGATCCTATGGTGGGCAATTTCCA	1332
Qy	1201	TTGTTTGGGATCAACCTCGATATACATTTGCTCACATGAAGGCCAAGGGAGCAGCTGTAGA	1260
Db	1333	TTGTTTGGGATCAACCTCGATATACATTTGCTCACATGAAGGCCAAGGGAGCAGCTGTAGA	1392
Qy	1261	TTGGACTTCAACAATGTGAGTACAGACCTGCTGAAATGCTGCTGCTGCTGCTGCTGCTGCTG	1320
Db	1393	GTGGACTTCAACAATGTGAGTACAGACCTGCTGAAATGCTGCTGCTGCTGCTGCTGCTGCTG	1452
Qy	1321	GATCCTTTATATAAAGAGAAATATTATGAATTTATGAATTTATGAATTTATGAATTTATGA	1380
Db	1453	GATCCTTTATATAAAGAGAAATATTATGAATTTATGAATTTATGAATTTATGAATTTATGA	1512
Qy	1381	AAGCCCTTGGATCGAGCAGCTTCTCTGGAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440
Db	1513	AAGCCCTTGGATCGAGCAGCTTCTCTGGAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1572
Qy	1441	CACCTTGGAGTTGCGAGCCCATGACCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1500
Db	1573	CACCTTGGAGTTGCGAGCCCATGACCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1632
Qy	1501	GGGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1560
Db	1633	GGGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1692
Qy	1561	TGTTTCTGGAAGTTTCTGTAAGAAAGGGAAGAAAGGAAAGAAAGAAAGAAAGAAAGAAAG	1620
Db	1693	TGTTTCTGGAAGTTTCTGTAAGAAAGGGAAGAAAGGAAAGAAAGAAAGAAAGAAAGAAAG	1752
Qy	1621	TTTGAAGCTGGAAGAAACAGATAGTAGGACAACTTCAGTTTATTCAGTATTCAGTATTCAG	1680
Db	1753	TTTGAAGCTGGAAGAAACAGATAGTAGGACAACTTCAGTTTATTCAGTATTCAGTATTCAG	1807
Qy	1681	GATTGTTATGCAAGATTTCTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1713
Db	1808	GATTGTTATGCAAGATTTCTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1840

RESULT 6

US-09-880-107-2120
; Sequence 2120, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2120
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens

OTHER INFORMATION: Genbank Accession No. US20020142981A1 J05428									
US-09-980-107-2120									
FEATURE:									
Query Match 84.6%; Score 1450; DB 9; Length 1855;									
Best Local Similarity 91.7%; Pred. No. 0;									
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;									
QY	4	GCATTGCAC	CAGGATGACTCTG	AAATGGACTT	CAGTTCTTTCTGCTGATACATCTCCAGTT	63			
DB	2	GCATTGCAC	CAGGATGCTCTG	AAATGGACTT	CAGTAATTTTGCTAATCAACTG-AGCT	60			
QY	64	GTTACTTTAG	CTCTGGAGTTTG	TGAAAAAGTCTGGT	TGGCCCGCAGAAATACAGCCATT	123			
DB	61	TTTGCTTTAG	CTCTGGAAATGTG	TGAAAGGTGCTGGT	TGGCGCAGAGAAATACAGCCATT	120			
QY	124	GGATGAATAT	TAGACAACTCTG	AAAGAGCTTGT	TTCAGAGAGGTTCATGAGTGACTGTAC	183			
DB	121	GGATGAATAT	TAGACAACTCTG	ATGAGCTTAT	TTCAGAGAGGTTCATGAGTGACTGTAC	180			
QY	184	TGGCATCTTC	CAGCTTCCATTCTTT	TGATCCCAATGATGC	ATCCACTCTTTAAATTTGAAG	243			
DB	181	TGGCATCTTC	CAGCTTCCATTCTTT	TGATCCCAACTCAT	CCGCTCTTTAAATTTGAAA	240			
QY	244	TTTATCCTCA	TACTTTAACTAAACTG	AAATTTGAGAATATCAT	ATGCAACAGGTTAAGA	303			
DB	241	TTTATCCCACT	TTTAACTAAACTG	AGTTGGAGAAATTT	CATCATGCAACAGATTAA	300			
QY	304	GATGGTCAG	ACATTCGAAAGATAG	CTTTGGTTATATTTT	TTCACAGAACACAGAAATCC	363			
DB	301	GATGGTCAG	ACCTTCCAAAAGAT	ACATTTTGGTTATATTT	TTCACAGTACAGGAAATCA	360			
QY	364	TGTGGGAAT	TATATGACATATTT	TAGAACTTCTGTAAGAT	TGTAGTTTCAAAATAAGAAAG	423			
DB	361	TGTCAATAT	TTGGTGACATAACT	AGAAAGTCTGTAAGAT	GTAGTTTCAATTAAGAAT	420			
QY	424	TTATGAAAAA	ACTACAAGAGTCAAG	ATTTGACATCGTTTT	TGACAGTGTCTTTTCCCT	483			
DB	421	TTATGAAAAA	AGTACAAAGTCAAG	ATTTGACGTCATTTT	TGACAGTGTCTTTTCCCT	480			
QY	484	GTGGTGAGCT	GTGGCTGGCTACTT	TAACATACGGTTTGT	GTACAGTCTCCGCTTTACT	543			
DB	481	GTAGTGAGCT	GTGGCTGGCTACTT	TAAACATACCCCTT	TGTGTACAGTCTCAGCTTCTCTC	540			
QY	544	CTGGCTACAA	ATTGAAAGGCACAGT	CGAGGACTGATTTT	CCCTCCTTCTCTACATAGCTA	603			
DB	541	CTGGCTACACT	TTTGAAGAAGCATAGT	CGAGGATTTATTTT	CCCTCCTTCTCTACGTACTG	600			
QY	604	TTGTTATGT	CAAAAATTAAGTGAT	CAAAATGACTTTT	CATGGAGAGGTAAAAAATATGATCT	663			
DB	601	TTGTTATGT	CAGAAATTAACATG	ATCAATGACTTTT	CATGGAGAGGTAAAAAATATGATCT	660			
QY	664	ATGTGCTTTA	TTTGACTTTTGGTT	CCAAATGCTGATAT	TGAAGAAGTGGGATCAGTTTT	723			
DB	661	ATGTGCTTTA	CTTTGACTTTTGGT	TGCAAAATATTTG	CATGAAGAAGTGGGATCAGTTTT	720			
QY	724	ACAGTGAAGT	TTTTAGGAAGCCCACT	ACTCTTATTTTGAGACA	ATCGGAAAAAGCTCACATAT	783			
DB	721	ATAGTGAAGT	TTCTAGGAAGCCCACT	ACTAGTTATCTGAGAC	ATATGGGAAGCTGACGTAT	780			
QY	784	GGCTTATGCA	AACTCTCTGGAGTTT	TTCATTTCTCATCCAT	CTTTACCAACCGTTGATT	843			
DB	781	GGCTTATGCA	AACTCTCTGGAAATTT	TTCAGTTTCTCATCCACT	CTTACCAAAATGTTGATT	840			
QY	844	TTGTTGAGGA	ATTCCATGGCAAACT	CTGCCAAACCCCTA	CCTAAGGAAATGGAGGAGTTT	903			
DB	841	TTGTTGAGGA	CTCCACT-GCAAA	CCCTGCCAAACCCCT	CTAAGGAAATGGGAAGCTTT	899			
QY	904	GTACAGAGCT	CTCGAGAAATGGTGT	GTGGTGTCTCTCGGGT	TCAGTGAATAGTAAC	963			
DB	900	GTACAGAGCT	CTCGAGAAATGGTGT	GTGGTGTCTCTCGGGT	CAATGGTCAGTAAC	959			
QY	964	ATGACGACGA	AAAGGGCCAATGT	TAATTGCAACAGCCCT	TGCGCAAGATCCCAACAAAGTT	1023			

RESULT 7

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RES001 /
US/09-968-007A-368
; Sequence 368, Application US/09968007A
; Publication No. US20040115625A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-71
; CURRENT APPLICATION NUMBER: US/09/968,007A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,172
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,173
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,278
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,294
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,295
; PRIOR FILING DATE: 2000-10-02

```

APPLICANT: EONCE, REIMOLD
: TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signal

; PRIOR APPLICATION NUMBER: US/60/237,316
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 1001
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 368
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-968-007A-368

		Query Match	84.6%	Score 1450;	DB 11;	Length 1855;
		Best Local Similarity	91.7%	Pred. No. 0;		
		Matches 1568;	Conservative 0;	Mismatches 135;	Indels 7;	Gaps 3;
QY	4	GCATTGCACCGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTT	63			
DB	2	GCATTGCACCGATGCTGTGAAATGGACTTCAGTAAATTTTCTTAATCAACTG-AGCT	60			
QY	64	GTTACTTTAGCTCTGGGAGTTGTGAAAAGTGTGTGTGGGCGCAGAAATACAGCCATT	123			
DB	61	TTTGTCTTAGCTCTGGGAATTGTGAAAAGGTGTGTGTGGGCGCAGAAATACAGCCATT	120			
QY	124	GGATGAATATGAAGACAATCCTGAAAGAGCTTGTTCAGAGAGTCAATGAGTGACTGTAC	193			
DB	121	GGATGAATATAAAGACAATCCTGGATGAGCTTAATTCAGAGAGTCAATGAGTGACTGTAC	180			
QY	184	TGGCATCTTCAGCTTCATCTTTTGTGATCCCAATGATGCATCCACTCTTAAATTTGAAG	243			
DB	181	TGGCATCTTCAGCTTCATCTTTTGTGATCCCAACAACTCATCCGCTCTTAAATTTGAAG	240			
QY	244	TTTATCCTACATCTTTAACTTAACTGAAATTTGAGAAATATCATATGCAACAGGTTAAGA	303			
DB	241	TTTATCCACATCTTTAACTTAACTGAGTTGGAGAAATTTTCATCATGCAACAGATTAAGA	300			
QY	304	GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGAACAGAAATCC	363			
DB	301	GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTTCACAAAGTACAGGAAATCA	360			
QY	364	TGTGGGAATTATATGACATATTTAGAAACTCTGTAAAGATGTAGTTTCAAAATAAGAAAG	423			
DB	361	TGTCAATATTTGTGTGACATAACTAGAAAGTTCTGTAAAGATGTAGTTTCAAAATAAGAAAT	420			
QY	424	TTATGAAAAAATACAGAGTCAAGATTTTGACATCGTTTTTTCAGAGATGCTTTTTCCCT	483			
DB	421	TTATGAAAAAAGTACAGAGTCAAGATTTTGACGTCAATTTTTCAGAGATGCTATTTTCCCT	480			
QY	484	GTGGTGAAGTGTGGCTGCGCTACTTTAACTAGCGTTTGTGTACAGTCTCCGCTTTACTC	543			
DB	481	GTAGTGAAGTGTGGCTGAGCTATTTAACTATCCCTTTTGTGTACAGTCTCAGCTTCTCTC	540			
QY	544	CTGGCTACAAATTTGAAAGCAGTGGAGGACTGATTTTCCCTTCCCTACATACCTTA	603			
DB	541	CTGGCTACACTTTTGAAGACATGTGGAGGATTTATTTTCCCTCCTTCTCAGTCACTG	600			
QY	604	TTGTTATGTCAAAATTTAAGATGATCAAAATGCTTTTCATGGAGAGGTTAAAAAATATGATCT	663			
DB	601	TTGTTATGTCAAGATTTAAGTATCAATGATCAATGCTTTTCATGGAGAGGTTAAAAAATATGATCT	660			
QY	664	ATGTGCTTATTTTGTGCTTTTGGTTCCAAATGTCTGAAATGAAGAGTGGGATCAGTTTT	723			
DB	661	ATGTGCTTACTTTTGTGCTTTTGGTTTCGAAATATTTGACATGAAGAGTGGGATCAGTTTT	720			
QY	724	ACAGTGAAGTTTGAAGAGACCCACTACCTTATTTGAGCAATGGGAAAGCTGACATAT	783			
DB	721	ATAGTGAAGTTCTAGGAAGACCCACTACCTGTTATCTGAGCAATGGGAAAGCTGACGAT	780			
QY	784	GGCTTATGCGAAACTCCTGGAGTTTTCATTTTCCCTCATCCATTCTTACCAACGTTGATT	843			
DB	781	GGCTTATGCGAAACTCCTGGAAATTTTCAGTTTCTCCTCATCCACTCTTACCAAAATGTTGATT	840			
QY	844	TTGTTGGAGATTCACCTGCGAAACCTGCGAAACCCCTACCTAAGGAAATGGAGGAGTTT	903			
DB	841	TTGTTGGAGGACTCCACT-GCAAACTGCGAAACCCCTGCTAAGGAAATGGGAAGCTTT	899			

RESULT 8

US-09-968-007A-735
; Sequence 735, Application US/09968007A
; Publication No. US20040115625A1
; GENERAL INFORMATION:
; APPLICANT: Ebnner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signal
; FILE REFERENCE: 689290-71
; CURRENT APPLICATION NUMBER: US/09/968,007A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,172
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,173
; PRIOR FILING DATE: 2000-10-02

QY	904	GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTCTGGGTCAAGTATAAGTAAC	963
DB	900	GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTCTGGGTCAATGGTCAGTAAC	959
QY	964	ATGACAGAGAAAGGGCCCAATGTAATTGCAACAGACCCTTGCCCAAGATCCACAAAAGGTT	1023
DB	960	ATGACAGAGAAAGGGCCCAACGTAATTGTCATCAGCCCTGGCCCGAGATCCACAAAAGGTT	1019
QY	1024	CTGTGGAGATTTGATGGGAATAAACAGATGCTTAGGTCTCAATACTCGGCTGTATAAG	1083
DB	1020	CTGTGGAGATTTGATGGGAATAAACAGATACCTTAGGTCTCAATACTCGGCTGTATAAG	1079
QY	1084	TGATATCCCAAGATACCTTCTAGGTCTATCCAAAAACCAGAGCTTTTATAAATCATGGT	1143
DB	1080	TGATATCCCAAGATACCTTCTAGGTCTATCCAAAGACCAGAGCTTTTATAAATCATGGT	1139
QY	1144	GGAGCAATGGCAATCTATGAGGCAATCTACCATGGGATCCCTATGTGGGCATTCATTTG	1203
DB	1140	GGAGCAATGGCAATCTACGAGGCAATCTACCATGGGATCCCTATGTGGGCATTCATTTG	1199
QY	1204	TTTTGGGATCAACCTGATAACATTTGCTCACATGAAGCCCAAGGGAGCAGCTGTAGATTG	1263
DB	1200	TTTTGGGATCAACCTGATAACATTTGCTCACATGAAGCCCAAGGGAGCAGCTGTAGATTG	1259
QY	1264	GACTTCAACACAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGAT	1323
DB	1260	GACTTCAACACAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGAT	1319
QY	1324	CCTTTATATAAGAGAAATATTAAGAAATTAACAAGATTTCAACATGATCAACCAAGTAAAG	1383
DB	1320	CCTTTATATAAGAGAAATGTTATGAATTTATCAAGAAATTAACAATGATCAACCAAGTAAAG	1379
QY	1384	CCCTGGATCGAGCAGTCTTCTGGATTGATTTGTCATGCCCCACAAAGGAGCACAACAC	1443
DB	1380	CCCTGGATCGAGCAGTCTTCTGGATTGATTTGTCATGCCCCACAAAGGAGCACAACAC	1439
QY	1444	CTTTCAGTTGTCAGCCCATGACCTCACCTGGTTTCCAGTACCCTCTTTTGGATGTGATTGGG	1503
DB	1440	CTTTCAGTTGTCAGCCCATGACCTCACCTGGTTTCCAGTACCCTCTTTTGGATGTGATTGGG	1499
QY	1504	TTTCTGCTGGCTGTGTGGCAACTGTGTGATATTTATCATCAAAAGTTTGTCTGTGTTTGT	1563
DB	1500	TTTCTGCTGGCTGTGTGGCAACTGTGTGATATTTATCGTCACAAATGTTGTCTGTGTTTGT	1559
QY	1564	TTCTGGAAGTTTCTAGAAAAGGGAAGAGGAAAGAGATTAGTTATCTCTGACATTT	1623
DB	1560	TTCTGGAAGTTTCTAGAAAAGGGAAGAGGAAAGAGATTAGTTATCTCTGACATTT	1619
QY	1624	GAAGCTGGAAAAACCCAGATAGATAGGACAACTTTCAGTTTATTCAGCAAGAAAGAAAGAT	1683
DB	1620	GAAGCTGGAAAAACCCAGATAGATAGGACAACTTTCAGTTTATTCAGCAAGAAAGAAAGAT	1674
QY	1684	TGTTATGCAAGATTTCTTTCTTCTCTGTGAC	1713
DB	1675	TGTGATGCAAGATTTCTTTCTTCTCTGTGAC	1704

PRIOR APPLICATION NUMBER: US/60/237,278
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: US/60/237,294
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: US/60/237,295
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: US/60/237,316
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 1001
SOFTWARE: PatentIn version 3.0
SEQ ID NO 735
LENGTH: 1855
TYPE: DNA
ORGANISM: Homo sapiens
US-09-968-007A-735

Query Match 84.6%; Score 1450; DB 11; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY 4 GCATTGCCAGGATGACTCTGAAATGGACTTCAGTTCTTCCTGCTGATACATCTCCAGTT 63
DB 2 GCATTGCCAGGATGCTCTGAAATGGACTTCAGTTCTTCAGTTCTTCATACAACTG-AGCT 60

QY 64 GTTACTTTAGCTCTGGGAGTTTGGAAAGTGTGGTGTGGGCGCGCAGAAATACAGCCATT 123
DB 61 TTTGCTTTAGCTCTGGGAAATTTGGAAAGTGTGGTGTGGGCGCGCAGAAATACAGCCATT 120

QY 124 GGATGAATATGAAGACAACTCTCAAGAGCTTGTTCAGAGAGGTTCATGAGTCACTGTAC 183
DB 121 GGATGAATATGAAGACAACTCTCGATGAGCTTATTCAGAGAGGTTCATGAGTCACTGTAC 180

QY 184 TGGATCTTCAGCTTCATTCTTTTGGATCCCAATGATGATCCACTCTTAAATTTGAAG 243
DB 181 TGGCATCTTCAGCTTCATTCTTTTGGATCCCAACTCATCCGCTCTTAAATTTGAAG 240

QY 244 TTTTATCTTACATCTTAACTAAATCAATTTGAGATATCATCATGCAACAGGTTAAGA 303
DB 241 TTTTATCCCATCTTTTAACTAAATCAATTTGAGATATTTTCAATGCAACAGATTAAGA 300

QY 304 GATGGTTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTCAAGAAACAAGAAATCC 363
DB 301 GATGGTTCAGACCTTCGAAAGATATATTTTGGTTATATTTTCAAGATACAGAAATCA 360

QY 364 TGTGGGAATTTATGACATATTTAGAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAA 423
DB 361 TGTCAATATTTGGTGACATTAATAGAAAGTCTGTAAAGATGTAGTTTCAAAATGAAGAA 420

QY 424 TTATGAAAACTACAGAGCTCAAGATTTGACATCGTTTTCAGATGCTGTTTTCCTT 483
DB 421 TTATGAAAAAGTACAGAGCTCAAGATTTGACATCGTTTTCAGATGCTGTTTTCCTT 480

QY 484 GTGGTACGCTGGCTGCTACTTAAACATACGGTTTGTGTACAGTCTCCGCTTTACTC 543
DB 481 GTAGTGAGCTGCTGGCTGAGCTATTTAAACATACCCTTTGTGTACAGTCTCAGCTCTCTC 540

QY 544 CTGGCTACAAATTTGAAAGCAAGTGGAGGAGTATTTTCCCTCTCTTCTACATACCTA 603
DB 541 CTGGCTACACTTTTGAAGCAATGTGGAGGATTTATTTTCCCTCTCTTCTACGACCTG 600

QY 604 TTGTTATGCAAAATTAAGTGTCAATGATCTTCATGGAGGGTTAAAAATATGATCT 663
DB 601 TTGTTATGTCAGAAATTAAGTGTCAATGATCTTCATGGAGGGTTAAAAATATGATCT 660

QY 664 ATGTGCTTTATTTGACTTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTT 723
DB 661 ATGTGCTTTATTTGACTTTTGGTTCCAAATATTTGATATGAAGAGTGGGATCAGTTT 720

QY 724 ACAGTGAAGTTTATGGAAGCCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATAT 783
DB 721 ATAGTGAAGTTTATGGAAGCCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATAT 780

QY 784 GGCTTATGCGAAACTCTGGAGTTTCAATTTCTCTCATCTTCTTACCAACAGTTGATT 843

RESULT 9

US-10-783-528-57

; Sequence 57, Application US/10783528

; Publication No. US20040219579A1

; GENERAL INFORMATION:

; APPLICANT: Aziz, Natasha

; APPLICANT: Gish, Kurt

; APPLICANT: Wilson, Keith

; APPLICANT: Zlotnik, Albert

DB 781 GGCTTATTCGAAACTCTCTGGAAATTTTCAGTTTCTCATCCACTCTTACCAAAATGTTGATT 840
QY 844 TTGTTGGAGGATTCCTACTGGCAAACTCTGCCAAACCCCTACTTAAGGAAATGGAGGAGTTT 903
DB 841 TTGTTGGAGGACTCCACT-CCAAACCTGCCAAACCCCTGCTTAAGGAAATGGAAGACTTT 899
QY 904 GTACAGAGCTCTCGAGAAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 963
DB 900 GTACAGAGCTCTCGAGAAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 959
QY 964 ATGACAGCAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTCCCAAGATCCCAAAAGGTT 1023
DB 960 ATGACAGCAGAAAGGGCCAAACGTAATTTGCAATCAGCCCTGCGCCAGATCCCAAAAGGTT 1019
QY 1024 CTGTGAGATTTTGTATGGGAATAAAACAGATGCCCTTAGGTCTCAATACTCGCTCTATAAG 1083
DB 1020 CTGTGAGATTTTGTATGGGAATAAAACAGATACCTTAGGTCTCAATACTCGCTCTATAAG 1079
QY 1084 TGGATACCCAGAAATGACCTTCTTAGGTCTCAAAACCAAGAGCTTTTATAACTCATGGT 1143
DB 1080 TGGATACCCAGAAATGACCTTCTTAGGTCTCAAAACCAAGAGCTTTTATAACTCATGGT 1139
QY 1144 GGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTTGGGATTTCCATTG 1203
DB 1140 GGAGCCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGTTGGGATTTCCATTG 1199
QY 1204 TTTTGGGATCAACCTCTGATTAACATTTGCTCACATGAAGGCCAAGGAGGAGCTGTTAGATTG 1263
DB 1200 TTTTGGGATCAACCTCTGATTAACATTTGCTCACATGAAGGCCAAGGAGGAGCTGTTAGATTG 1259
QY 1264 GACTTCAACAAATGTGAGTACAGACCTCTGAAATGCACTGAAGACAGATTAATTAATGAT 1323
DB 1260 GACTTCAACAAATGTGAGTACAGACCTCTGAAATGCACTGAAGACAGATTAATTAATGAT 1319
QY 1324 CCTTTATATAAGAGATAATTAAGAAATTAATCAAGAAATTAATCAAGAAATTAATCAAGAA 1383
DB 1320 CCTTTATATAAGAGATAATTAAGAAATTAATCAAGAAATTAATCAAGAAATTAATCAAGAA 1379
QY 1384 CCCTCGATCGACAGCTTTCTGGATTTGATTTGATGCTATGCTCCCAAGAGGAGCCAAACAC 1443
DB 1380 CCCTCGATCGACAGCTTTCTGGATTTGATTTGATGCTATGCTCCCAAGAGGAGCTAAACAC 1439
QY 1444 CTTTCGATTTGACAGCCCATGACCTCACTGCTTCAGTTACCACTCTTTTGGATGTTGATGGG 1503
DB 1440 CTTTCGATTTGACAGCCCATGACCTCACTGCTTCAGTTACCACTCTTTTGGATGTTGATGGG 1499
QY 1504 TTTTCTGCTGGCTGTGGCAACTGTGATATTTTATCATCAAAAGTTTCTGCTGCTTTTGT 1563
DB 1500 TTTTCTGCTGGCTGTGGCAACTGTGATATTTTATCATCAAAAGTTTCTGCTGCTTTTGT 1559
QY 1564 TTTTCTGCTGGCTGTGGCAACTGTGATATTTTATCATCAAAAGTTTCTGCTGCTTTTGT 1623
DB 1560 TTTTCTGCTGGCTGTGGCAACTGTGATATTTTATCATCAAAAGTTTCTGCTGCTTTTGT 1619
QY 1624 GAAGCTGGAAGAAACAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT 1683
DB 1620 GAAGCTGGAAGAAACAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT 1674
QY 1684 TGTATGCAAGATTTCTTTCTTCTCTCTGAC 1713
DB 1675 TGTATGCAAGATTTCTTTCTTCTCTCTGAC 1704

QY 1384 CCCCTGGATCGAGAGTCTTCTGGATTGAAATTTGTTCATGCCCCACAAAGGAGCCAAACAC 1443
DB 1380 CCCCTGGATCGAGAGTCTTCTGGATTGAAATTTGTTCATGCCCCACAAAGGAGCCAAACAC 1439
QY 1444 CTTCCAGTTGCGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTGGG 1503
DB 1440 CTTCCGGTTGCGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTGGG 1499
QY 1504 TTTCTGCTGGCTGTGTGGCAACTGTGTATATTTATCATCAAAAGTTTGTCTGTTTGT 1563
DB 1500 TTTCTGCTGGCTGTGTGGCAACTGTGTATATTTATCGTCACAAAATGTGTCTGTTTGT 1559
QY 1564 TTTCTGGAAGTTTGTCTAGAAAAGGAAGAAAGGAAAAGAGATTAGTTATGTCTGACATTT 1623
DB 1560 TTTCTGGAAGTTTGTCTAGAAAAGGAAGAAAGGAAAAGAGATTAGTTATGTCTGAGATTT 1619
QY 1624 GAAGCTGAAAACACAGATAGATAGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT 1683
DB 1620 GAAGCTGAAAACCTGATAGGTGAGACTTTCAGTTTATTTCCAGCAAG-----AAGAT 1674
QY 1684 TGTATGCAAGATTTCTTTCTCTCTGTGAC 1713
DB 1675 TGTATGCAAGATTTCTTTCTCTCTGAGAC 1704

RESULT 12

US-10-205-522-39
; Sequence 39, Application US/10205522
; Publication No. US20030077629A1
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/10/205,522
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/09/356,806
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-10-205-522-39

Query Match 84.3%; Score 1443.6; DB 14; Length 1854;

Best Local Similarity 91.5%; Pred. No. 0;
Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

QY 4 GCATTGCACCAAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGTATACATCTCCAGTT 63
DB 2 GCATTGCACCAAGGATGCTGTGAAATGGACTTCAGTTCTTCTGCTGTATACACTG-AGCT 60
QY 64 GTTACTTTAGCTCTGGGAGTTGTGAAAAGTGTGTTGTGGCGCCGAGAAATACAGCCATT 123
DB 61 TTTGCTTTAGCTCTGGGAAATTTGTGAAAAGTGTGTTGTGGCGACGAGATACAGCCATT 120
QY 124 GGATGAATATGAACAACTCTGAAAGAGCTTGTTCAGAGAGTTCATGAGTACTGTAC 183
DB 121 GGATGAATATGAACAACTCTGATGAGCTTATTCAGAGAGTTCATGAGTACTGTAC 180
QY 184 TGGCATCTTCAGCTTCATCTTTTGTATCCCAATGATGATCCACTCTTAAATTTCAAG 243
DB 181 TGGCATCTTCAGCTTCATCTTTTGTATCCCAACAACTCATCGCTCTTAAATTTGAA 240

QY 244 TTTATCTACATCTTTAACTAAAACTGAAATTTGAGAATATCATCATGCAACAGGTTAAGA 303
DB 241 TTTATCCCACTCTTTAACTAAAACTGAAATTTGAGAATATTTATCATGCAACAGGTTAAGA 300
QY 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGCAAGAAATCC 363
DB 301 GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTTCACAAAGTACAGAAATCA 360
QY 364 TGTGGGAATATATGACATATTTAGAAAACCTTCTGTAAGAGTGTAGTTTCAAATAAAGAAAG 423
DB 361 TGTCAATATTTGGTGCATATAACTAGAAAAGTCTCTGTAAGAGTGTAGTTTCAAATAAAGAAAT 420
QY 424 TTATGAAAACACTACAGAGCTCAGATTTGACATCGTTTTCGAGATGCTGTTTTCCT 483
DB 421 TTATGAAAACACTACAGAGCTCAGATTTTAAACATACCTTTTGTGACAGTCTCAGCTTCTCTC 480
QY 484 GTGTGAGCTGCTGGCTGCGCTACTTAAACATACCGTTTGTGTACAGTCTCCGCTTTACTC 543
DB 481 GTAGTGAAGCTGCTGGCTGAGCTATTTAAACATACCTTTTGTGACAGTCTCAGCTTCTCTC 540
QY 544 CTGGCTACAAATTTGAAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCTA 603
DB 541 CTGGCTACAACTTTTGAAGAGCATAGTGGAGGATTTATTTTCCCTCTCTTCTACGTACCTG 600
QY 604 TTGTTATGCAAAATTTAAGTGCATCAAAATGATCTTTCATGGAGAGGTTAAAAAATATGATCT 663
DB 601 TTGTTATGCAAAATTTAAGTGCATCAAAATGATCTTTCATGGAGAGGTTAAAAAATATGATCT 660
QY 664 ATGTGCTTTATTTTGAATTTTGGTTTCCAAATGCTGATATGAAAGTGGGATCAGTTTT 723
DB 661 ATGTGCTTTATTTTGAATTTTGGTTTCCAAATATTTGACATGAAAGTGGGATCAGTTTT 720
QY 724 ACAGTGAAGTTTGAAGAGACCCACTACCTTATTTGAGACAAATGGGAAAAGCTGACATAT 783
DB 721 ATAGTGAAGTTCTAGGAAGACCCACTACATTTATCTGAGACAAATGGGAAAAGCTGACATAT 780
QY 784 GGCTTATGCAAACTCTCGAGATTTTCAATTTCTCTCATCTTCTTACCAAACTGTTGATTT 843
DB 781 GGCTTATGCAAACTCTCGAGATTTTCAATTTCTCTCATCTTCTTACCAAACTGTTGATTT 840
QY 844 TTGTTGGAGGATTTCCACTGGCAAACTGCCAAACCCCTACTAGGAAATAGGAGGATTT 903
DB 841 TTGTTGGAGGATTTCCACT-GCAAACCTGCCAAACCCCTGCTTAAGGAAATAGGAGGATTT 899
QY 904 GTACAGAGCTCTGGAGAAAATGGTGTGTTGTTGTTTCTCTGTTGGGTTCAGTCAATGATTAAC 963
DB 900 GTACAGAGCTCTGGAGAAAATGGTGTGTTGTTGTTTCTCTGTTGGGTTCAGTCAATGATTAAC 959
QY 964 ATGACAGCAAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAGGTT 1023
DB 960 ATGACAGCAAGAAAGGGCCAAACGTAATTTGCAATGAGCCCTGCGCCACAGATCCCAAAAAGGTT 1019
QY 1024 CTGTGGAGATTTGATGGGAATTAACAGATGCTTACCTTAGTCTCAATCTCCGCTGTATTAAG 1083
DB 1020 CTGTGGAGATTTGATGGGAATTAACAGATGCTTACCTTAGTCTCAATCTCCGCTGTATTAAG 1079
QY 1084 TGGATACCCCAAGATGACCTTCTAGGTTCATCCAAAACACAGAGCTTTTATAACTCATCGGT 1143
DB 1080 TGGATACCCCAAGATGACCTTCTAGGTTCATCCAAAACACAGAGCTTTTATAACTCATCGGT 1139
QY 1144 GGAGCCAAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGTTGGGCAATTTCCATTTG 1203
DB 1140 GGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGTTGGGCAATTTCCATTTG 1199
QY 1204 TTTTGGGATCAACCTGATACATTTGCTCAGATGAGCCCAAGGAGGAGCTGTTTAGATTG 1263
DB 1200 TTTTGGGATCAACCTGATACATTTGCTCAGATGAGCCCAAGGAGGAGCTGTTTAGATTG 1259
QY 1264 GACTTCAACCAATGTCGAGTACAGACTCTGCTGAATGCATCTGAAGACAGTAATTAATGAT 1323
DB 1260 GACTTCAACCAATGTCGAGTACAGACTCTGCTGAATGCATCTGAAGACAGTAATTAATGAT 1319
QY 1324 CCTTTATATAAGAGAAATATTTATGAAATTTATCAAGAAATTTCAACATGATCAACCAAGTAAAG 1383

QY 1325 CTTTATATAAGAGAAATATTATGAAATTTATCAAGAAATTCACATGATCAACCCAGTAAAGC 1384
|||
Db 1317 CTTTCATATAAGAGAAATATTATGAAATTTATCAAGAAATTCACATGATCAACCCAGTGAAGC 1376
|||
QY 1385 CCCTGGATCAGCAGCTCTTCGATTCGAATTTGTATGATGCCCCCAAGAGGAGCCAAACACC 1444
|||
Db 1377 CCCTGGATCAGCAGCTCTTCGATTCGAATTTGTATGATGCCCCCAAGAGGAGCCAAACATC 1436
|||
QY 1445 TTCGAGTTGAGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGGATGCTATGGGT 1504
|||
Db 1437 TTCGAGTTGAGCCCAACACCTCACCTGGTTCCAGTACCACTCTTTGGGATGCTATGGGT 1496
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QY 1505 TTCCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTGTGTT 1564
|||
Db 1497 TCCTGCTGGCTGTGTGGCAACCGTGCTATTTATCATCAAAAGTGTGTCTGTGTGTT 1556
|||
QY 1565 TCTGGAAGTTTGTAGAAAAGGGAAGGAAGGAAAAGAGATTTAGTTATGCTGACATTTG 1624
|||
Db 1557 TCTGGAAGTTTGTAGAAAAGGGAAGGAAGGAAAAGGATTTAGTTATGCTGAGATTTG 1616
|||
QY 1625 AAGCTGGAACACAGATAGATAGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGATT 1684
|||
Db 1617 AAGCTGGGAATTTCCGTTTATTTGAAGATTCAGGTTAACCTGAATCAAGTTAACCCAGTCT 1676
|||
QY 1685 GTTATGC 1691
|||
Db 1677 CAAATGC 1683
|||
RESULT 15
US-10-450-763--5514
; Sequence 5514, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 5514
; LENGTH: 1859
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (1037)..(1084)
; OTHER INFORMATION: 93% homologous to Homo sapiens UDP-glucuronosyltransferase
; OTHER INFORMATION: (EC 2.4.1.17), accession number J05428, Smith-Waterman Score=83..
US-10-450-763-5514

Query Match 82.0%; Score 1404.4; DB 22; Length 1859;
Best Local Similarity 91.4%; Pred. No. 0;
Matches 1567; Conservative 0; Mismatches 136; Indels 11; Gaps 7;
QY 4 GCATTGCACCCAGGATGACTCTGAAATGGACTTCAGTCTCTCTGCTGATACATCTCCAGTT 63
|||
Db 2 GCATTGCACCCAGGATGCTGTGAAATGGACTTCAGTAAATTTTGTCTAATACTCACTG-AGCT 60
|||
QY 64 GTTACTTTTACCTCTGGGAGTTGTGAAAAGTGTGTTGGGCGGCGAGAAATACAGCCATT 123
|||
Db 61 TTTGCTTTTACCTCTGGGAGTTGTGAAAAGTGTGTTGGGCGGCGAGAAATACAGCCATT 120
|||
QY 124 GGATGAATATGAACAAATCCTGAAAGAGCTTGTTCAGAGAGGTGATGAGGTGACTGTAC 183
|||

Db 121 GGATGAATATAAAGACAATCTCTGGATGAGCTTATTCAGAGAGGTCAATGAGTGAATCTGATC 180
QY 184 TGGCATCTTCAGCTTCATCTCTTTTGGATGCCCAATGATGATCCACTCTCTTAAATTTGAAG 243
|||
Db 181 TGGCATCTTCAGCTTCATCTCTTTTGGATGCCCAATGATGATCCACTCTCTTAAATTTGAAG 240
|||
QY 244 TTTATCCTTACATCTTTTAACTTAAATCTGAAATTTGAGAAATATCATGCAACAGGTTTAAAG 303
|||
Db 241 TTTATCCACATCTTTTAACTTAAATCTGAAATTTGAGAAATTTTCAATGCAACAGATTAAGA 300
|||
QY 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGAACAGAAATCC 363
|||
Db 301 GATGGTCAGACCTTCGAAAAGATATATTTTGGTTATATTTTTCACAAAGTACAGGAAATCA 360
|||
QY 364 TGTGGGAATTTATATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAATTAAGAAAG 423
|||
Db 361 TGTCAATATTTGGTGACATAAATAGAAAGTTCTGTAAGATGTAGTTTCAAATTAAGAAAT 420
|||
QY 424 TTATGAAAAAACTTACAAAGATCAAGATTTTGACATCTGTTTTCGAGATGCTGTTTTCCTCCT 483
|||
Db 421 TTATGAAAAAAAGTACAAAGATCAAGATTTTGACGTCATTTTTCGAGATGCTATTTTTCCTCCT 480
|||
QY 484 GTGGTCAGCTGCTGGCTGCGCTACTTTAAACATAGCGTTTGTGTACAGTCTCCGCTTACTC 543
|||
Db 481 GTAGTCAGCTGCTGGCTGAGCTATTTTAAACATACCTTTTGTGTACAGTCTCAGCTTCTCTC 540
|||
QY 544 CTGGCTACACAAATTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTTACATACCTA 603
|||
Db 541 CTGGCTACACTTTTGAAGAGCATAGTGGAGGATTTATTTTCCCTCTCTTACGACCTG 600
|||
QY 604 TTGTTATGTCAAAATTAAGTGAATCAAAATGACTTTTTCATGGAGAGGGTAAATAATATGATCT 663
|||
Db 601 TTGTTATGTCAAGATTTTAACTGATCAAAATGACTTTTTCATGGAGAGGGTAAATAATATGATCT 660
|||
QY 664 ATGTGCTTTATTTTGAATTTTGGTTCGAAATGTCTGATATGAAGAAGTGGGATCAGTTTT 723
|||
Db 661 ATGTGCTTTTACTTTGACTTTTGGTTCGAAATATTTGACATGAAGAAGTGGGATCAGTTTT 720
|||
QY 724 ACAGTGAAGTTTGTAGGAAGACCCACTACCTTATTTGAGACAATGGGAAAGAGTGCACATAT 783
|||
Db 721 ATAGTGAAGTTCTAGGAAGACCCACTACCTTATCTGAGACAATGGGAAAGAGTGCACATAT 780
|||
QY 784 GGCTTATGCGAAACTCTCTGGAGTTTTCATTTTCCCTCATCTTATTCCTTACCAAAAGCTTGAT 843
|||
Db 781 GGCTTATGCGAAACTCTCTGGAAATTTTCACTTCTCTCATCCACTCTTACCAAAATGTTGAT 840
|||
QY 844 TTGTTGGAGGATTCCTACTGCGAAACCTGCCAAACCTTACCTAACGAAATGGAGGAGTTT 903
|||
Db 841 TTGTTGGAGGACTCCACT-GCAAAACCTGCCAAACCTTACCTAACGAAATGGAGGAGTTT 899
|||
QY 904 GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 963
|||
Db 900 GTACAGAGCTCTGGAGAAAATGGT 959
|||
QY 964 ATGACAGCAGAAAGGGCCCAATGTAATTTGCAACAGCCCTTTCGCAAGATGCCCAAAAGGTT 1023
|||
Db 960 ATGACAGAAAGAAAGGGCCCAAGTAATTTGCAATCAGCCCTTGCCCCAGATGCCCAAAAGGTT 1019
|||
QY 1024 CTGT-GGATTTTTCAT-GGGAATAAACAGATGCTTTCAGTCTCAATCTACTCGGCTGTATA 1081
|||
Db 1020 CTGTGGGAGATTTGATGGGGATTTAAACCCAGATACCTTTAGGTCTCAATCTACTCGGCTGTATA 1079
|||
QY 1082 AGT-GGATACCCAGAA-TGACCTTCTAGTCTATCCAAAACCCAGAGCTTTTATAACTCA 1139
|||
Db 1080 AGTGGGATACCCAGAAATGACCTTCTAGGTCTATCCAAAGACCAGAGCTTTTATAACTCA 1139
|||
QY 1140 TGTGAGGCAATGGCATCTATGAGCAATCTTACCATGGATCCCTATGTTGGGATTC 1199
|||
Db 1140 TGTGAGGCAATGGCATCTATGAGCAATCTTACCATGGATCCCTATGTTGGGATTC 1199
|||
QY 1200 ATTGTTTTGGGATCACTGATTAACATTTGCTACATGAGGCCCAAGGAGCAGCTGTAG 1259
|||
Db 1200 ATTGTTTTGGCGATCAACCTTCAATTAACATTTGCTACATGAAGGCCAGGGGAGCAGCTGTAG 1259
|||

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OM nucleic - nucleic search, using sw model

Run on: October 11, 2005, 06:15:12 ; Search time 319 Seconds
(without alignments)
8786.652 Million cell updates/sec

Title: US-09-721-183-2

Perfect score: 1713

Sequence: 1 atcgcatgcaccaggatga.....gattctttcttctgtgac 1713

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1564.4	91.3	1708	4	US-09-949-016-2595
2	1519	88.7	1629	4	US-09-949-016-2596
3	1443.6	84.3	1854	4	US-09-356-806-39
4	1364.2	79.6	1832	4	US-09-949-016-2734
5	1354.2	79.1	2092	4	US-09-356-806-7
6	1349.4	78.8	2092	4	US-09-949-016-2594
7	1349.4	78.8	2092	4	US-09-949-016-3181
8	1343	78.4	2093	4	US-09-949-016-1128
9	1201.6	70.1	2107	3	US-09-180-852-1
10	1188.8	69.4	1976	4	US-09-356-806-112
11	1128.8	65.9	1413	3	US-09-813-918-1
12	1128.8	65.9	1413	4	US-10-060-311-1
13	941.8	55.0	1323	4	US-09-949-016-2735
14	941.8	55.0	1323	4	US-09-949-016-2736
15	742.8	43.4	2966	4	US-09-976-594-241
16	674.6	39.4	18373	4	US-09-949-016-14338
17	674.6	39.4	18452	4	US-09-949-016-14337
18	634.6	37.0	1001	4	US-09-671-317-403
19	602.6	35.2	1686	4	US-09-356-806-41
20	579.2	33.8	1323	4	US-09-356-806-1
21	579.2	33.8	19732	4	US-09-949-016-12870
22	579.2	33.8	19732	4	US-09-949-016-14923
23	579.2	33.8	19733	4	US-09-949-016-14336
24	520	30.4	2041	4	US-09-949-016-14476
25	491.4	28.7	2312	4	US-09-356-806-114
26	489.8	28.6	20599	4	US-09-949-016-14477
27	489.8	28.6	20599	4	US-09-949-016-14478

28	480.4	28.0	1001	4	US-09-671-317-412	Sequence 412, App
29	326.6	19.1	596	4	US-09-356-806-45	Sequence 45, Appl
30	320	18.7	1001	4	US-09-671-317-405	Sequence 405, App
31	319.4	18.6	2339	5	PCT-US92-00282-2	Sequence 2, Appli
32	299.6	17.5	2351	4	US-09-949-016-76	Sequence 76, Appl
33	299.6	17.5	2351	4	US-09-949-016-1813	Sequence 1813, Ap
34	298	17.4	2336	5	PCT-US92-00282-1	Sequence 1, Appli
35	266.2	15.5	1589	4	US-09-356-806-6	Sequence 6, Appli
36	265.8	15.5	735	4	US-09-305-856B-17	Sequence 17, Appl
37	264.2	15.4	1001	4	US-09-671-317-352	Sequence 352, App
38	263	15.4	1001	4	US-09-671-317-353	Sequence 353, App
39	263	15.4	1001	4	US-09-671-317-354	Sequence 354, App
40	246	14.4	978	4	US-09-356-806-118	Sequence 118, App
41	244.4	14.3	1001	4	US-09-671-317-427	Sequence 427, App
42	230	13.4	1001	4	US-09-671-317-424	Sequence 424, App
43	220.6	12.9	350	4	US-09-513-999C-3284	Sequence 3284, Ap
44	217	12.7	1001	4	US-09-671-317-428	Sequence 428, App
45	208.4	12.2	1001	4	US-09-671-317-404	Sequence 404, App

ALIGNMENTS

RESULT 1

US-09-949-016-2595
; Sequence 2595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2595
; LENGTH: 1708
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2595

Query Match		91.3%	Score 1564.4;	DB 4;	Length 1708;
Best Local Similarity		96.0%	Pred. No. 0;		
Matches 1636;		Conservative	0;	Mismatches	61;
				Indels	7;
				Gaps	3;
Qy	8	TGCACGAGGATGACTCTGAATGGACCTTCAGTTCTTCTGCTGATACATCTCCAGTTGTTA	67		
Db	1	TGCACGAGGATGTTCTGAATGGCTTCAGTTCTTCTGCTGATACATCT-CAGTTGTTA	59		
Qy	68	CTTTAGCTCTGGGAGTTGTGGAAGAGTCTGGTGGCCGCGAGAAATACAGCCATTGGAT	127		
Db	60	CTTTAGCTCTGGGAGTTGTGGAAGAGTCTGGTTGGCCACAGAAATACAGCCTTTGGAT	119		
Qy	128	GAATATGAAGACAAATCTCTGAAGAGCTTTTCAGAGAGGTCATGAGTGACTGTACTGGC	187		
Db	120	GAATATGAAGACAAATCTCTGAAGAGCTTTTCAGAGAGGTCATGAGTGACTGTACTGGC	179		
Qy	188	ATCTTCAGCTTCCATCTTTTTCATCCCAATGATGATCCACTCTTAAATTTGAAGTTTA	247		
Db	180	ATCTTCAGCTTCCATCTTTTTCATCCCAAGACTCTTAACTTCGAAGTTTA	239		
Qy	248	TCCTACATCTTTAACTAAAACTGAATTTGAGAATATCATATGCAACAGGTTTAAGAGATG	307		
Db	240	TCCTACATCTTTAACTAAAACTGAATTTGAGAATATCTATGCAACAGGTTTAAGAGATG	299		
Qy	308	GTCAGACATTCGAAAGAGATAGCTTTTGGTTATATTTTTCACAGAACAGAAATCCTGTG	367		

Db 300 GTGAGACATTTCCAAAGATACATTTTGGTTATATTTTTCACAGAAACAAGAAATGCTGTA 359
QY 368 GGAATATATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAATAAGAAAGTTAT 427
Db 360 GGAATATACATGACATATTTAGAAAATTTCTGTAAGATCTCATTTCAATAAGAAACTTAT 419
QY 428 GAAAAAACTCAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGTGG 487
Db 420 GAAAAAATTAAGATCAAGATTTGACATCGTTTTTTCAGATGCTTTTTTCCCTGTGG 479
QY 488 TGAGCTGCTGGCTGCGCTACTTAACATACCGTTTGTGTACAGTCTCGCTTTACTCTCTGG 547
Db 480 TGAGCTGCTGGCTGCGCTACTTAACATACCGTTTGTGTACAGTCTCGCTTTACTCTCTGG 539
QY 548 CTACACAATTTGAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTTACATACCTATTGT 607
Db 540 CTACACAGTTGAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTTACATACCTATTGT 599
QY 608 TATGTCAAAAATTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAATATGATCTATGT 667
Db 600 TATGTCAAAAATTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAATATGATCTATGT 659
QY 668 GCTTTATTTTGAATTTGGTTCCAAATGCTGTATATGAAGAAGTGGGATCAGTTTTACAG 727
Db 660 GAITTTATTTGACTTTTGGTTCCAAATATGTGATATGAAGAAGTGGGATCAGTTTTACAG 719
QY 728 TGAAGTTTGAAGAGCCCACTACCTTTATTTGAGACAATGGGAAAGCTGACATATGGCT 787
Db 720 TGAAGTTTGAAGAGCCCACTACCTTTATTTGAGACAATGGGAAAGCTGACATATGGCT 779
QY 788 TATGCGAAATCTCTGGAGTTTCAATTTCTCTATCCATTTCTTACCAACGTTGATTTGT 847
Db 780 TATGCGAAATCTCTGGAGTTTTCAGTTTCTCTATCCATTTCTTACCAACGTTGATTTGT 839
QY 848 TGAAGGATTCACATGGCAAACTTGCCTTACCTTAAAGGAAATGGAGAGTTTGTATC 907
Db 840 TGAAGGATTTCACT-GCAAACTGCCAAACCCCTTACCTAAGGAAATGGAGAGTTTGTATC 898
QY 908 AGAGCTCTGAGAAATGGT 967
Db 899 AGAGCTCTGAGAAATGGT 958
QY 968 CAGCAGAAAGGGCCAAATGTAATTCGAACAGCCCTTGCAAGATCCCAAAAGGTTCTGT 1027
Db 959 CAGCAGAAAGGGCCAAATGTAATTCGAACAGCCCTTGCAAGATCCCAAAAGGTTCTGT 1018
QY 1028 GGAGATTTGATGGGAATAAACAGATCCCTTAGGTCTCAATATCTCGGCTGTATAAGTGA 1087
Db 1019 GGAGATTTGATGGGAATAAACAGATCCCTTAGGTCTCAATATCTCGGCTGTATAAGTGA 1078
QY 1088 TACCCAGAAATGACCTTTAGGTCTCAAAACCAGAGCTTTTATAACTCATGGTGGAG 1147
Db 1079 TACCCAGAAATGACCTTTAGGTCTCAAAACCAGAGCTTTTATAACTCATGGTGGAG 1138
QY 1148 CCAATGCAATCTATGAGCAATCTACCATGGATCCCTTAGGTGGGCAATCCATTTGTTTT 1207
Db 1139 CCAATGCAATCTATGAGCAATCTACCATGGATCCCTTAGGTGGGCAATCCATTTGTTTT 1198
QY 1208 GGAATCAACCTGATTAACATTTGCTCACAATGAAGGCCAAGGGAGCAGCTTTTAGATTTGACT 1267
Db 1199 GGGATCAACCTGATTAACATTTGCTCACAATGAAGGCCAAGGGAGCAGCTTTTAGATTTGACT 1258
QY 1268 TCAACAAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGATTAATTAATGATCCTT 1327
Db 1259 TCCACAAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGATTAATTAATGATCCTT 1318
QY 1328 TATATAAGAGATATTTATGAAATTTATCAAGATTTCAACATGATCAACCAAGTAAAGCCCC 1387
Db 1319 TATATAAGAGATATTTATGAAATTTATCAAGATTTCAACATGATCAACCAAGTAAAGCCCC 1378
QY 1388 TGGATCGAGCAGTCTCTGGATTTGAATTTGTTCATGCCCCCAAAAGGAGCCCAACCTTC 1447

Db 1379 TGGATCGAGAGTCTTCTGGATTGAATTTGTCTATGCGCCACAAGAGAGCCAAACACCTTC 1438
QY 1448 GAGTTGAGCCCACTGACCTCACCTGTTCCAGTACCACCTCTTTTGGATGTGATTTGGTTTC 1507
Db 1439 GAGTTGAGCCCGTGACCTCACCTGTTCCAGTACCACCTCTTTTGGATGTGATTTGGTTTC 1498
QY 1508 TGTGCGCTGTGTGGCACTGTGATATTTATCATCAAAAGTTTGTCTGCTTTTGTCTTCT 1567
Db 1499 TGTGCGCTGTGTGGCACTGTGATATTTATCATCAAAAGTTTGTCTGCTTTTGTCTTCT 1558
QY 1568 GGAAGTTTCTAGAAAAGGGAAGGAAAAGAGATTTAGTTATGTCACATTTTGAAG 1627
Db 1559 GGAAGTTTCTAGAAAAGTGAAGGAAAAGAGATTTAGTTATGTCGACATTTGGAAG 1618
QY 1628 CTGAAAAACCATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAAGAGATTTGTT 1687
Db 1619 CTGAAAAACCATAGATAGGATGACTTCAGTTTATTTCCAGCAAG-----AAAGATTGTG 1673
QY 1688 ATGCAAGATTTCTTCTTCTCTCTGTGAC 1713
Db 1674 ATGCAAGATTTCTTCTTCTCTATGAC 1699

RESULT 2
US-09-949-016-2596
; Sequence 2596, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2596
; LENGTH: 1629
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2596

Query Match 88.7%; Score 1519; DB 4; Length 1629;
Best Local Similarity 96.5%; Pred. No. 0;
Matches 1574; Conservative 0; Mismatches 55; Indels 2; Gaps 2;
QY 7 TTCACCCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTT 66
Db 1 TTCACCCAGGATGACTCTGAAATGGGCTTCAGTTCTTCTGCTGATACATCT-CAGTTGTT 59
QY 67 ACTTTAGCTCTGGAGTTTGGAAAAGTGTGTTGGGCCGAGAAATACAGCCATTGGA 126
Db 60 ACTTTAGCTCTGGAGTTTGGAAAAGTGTGTTGGGCCAGAAATACAGCCTTTGGA 119
QY 127 TGAATATGAAGACAATCTCTGAAAGAGCTTGTTCAGAGAGTCAAGGTCAGTGTACTGG 186
Db 120 TGAATATGAAGACAATCTCTGAAAGAGCTTGTTCAGAGAGTCAAGGTCAGTGTACTGG 179
QY 187 CATCTTCAGCTTCATCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAAGTTT 246
Db 180 CATCTTCAGCTTCATCTTTTGTATCCCAAGCTCATCCACTCTTAAATCTGGAAGTTT 239
QY 247 ATCTTACATCTTTAACTTAAACTGAAATTTGAGAAATATCATGCAACAGGTTAAAGAGAT 306
Db 240 ATCTTACATCTTTAACTTAAACTGAAATTTGAGAAATATCATGCAACAGGTTAAAGAGAT 299
QY 307 GGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAAAGAAATCCTGT 366


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Db 300 GGTGAGACATTTCCAAAGATACATTTTGGTTATATTTTTCACAAAGACAAGAAATGCTGT 359
Qy 367 GGGAAATATATGACATATTGTAAGAACTTCTGTAAGATGTAGTTTCAAATAAGAAAGTTA 426
Db 360 AGGAATACATGACATATTAGAAAATTTCTGTAAGATCTCATTTCAAATAAGAAACTTA 419
Qy 427 TGAATAAATACTACAGAGTCAAGATTTGACATCGTTTTTGGAGATGCTGTTTTCCCTGTG 486
Db 420 TGAATAAATACTATAAGAGTCAAGATTTGACATCGTTTTTGGAGATGCTTTTTTCCCTGTG 479
Qy 487 GTGAGCTGCTGCGCTGCTACTTAACATACGCTTTGTTGTACAGTCTCGCTTTACTCCTG 546
Db 480 GTGAGCTGCTGCGCTGCTACTTAACATACGCTTTGTTGTACAGTCTCGCTTTACTCCTG 539
Qy 547 GCTACACAATTTGAAGGCACAGTGGAGACTGATTTTCCCTCTTCCCTACATACCTATTG 606
Db 540 GCTACACAGTTTGAAGGCACAGTGGAGACTGATTTTCCCTCTTCCCTACATACCTATTG 599
Qy 607 TTATGTCMAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAAATATGATCTATG 666
Db 600 TTATGTCMAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAAATATGATCTATG 659
Qy 667 TGCTTTATTTTGACTTTTGGTTCCAAATGCTGATATGAAGAAGTGGGATCAGTTTTACA 726
Db 660 TGATTTATTTTGACTTTTGGTTCCAAATGATGTGATATGAAGAAGTGGGATCAGTTTTACA 719
Qy 727 GTGAAGTTTATAGGAAGACCCACTACTTATTTGAGACAAATGGGAAAGCTGACATATGGC 786
Db 720 GTGAAGTTTATAGGAAGACCCACTACTTATTTGAGACAAATGGGAAAGCTGACATATGGC 779
Qy 787 TTATGCGAAACTCTGCGAGTTTTCAAATTCCTCATCCATTTTACCAAACTGTTGATTTG 846
Db 780 TTATGCGAAACTCTGCGAGTTTTCAGTTTCTCATCCATTTCTTACCAAACTGTTGATTTG 839
Qy 847 TTGAGGATTCACATGCGCAACCTGCCAAACCCCTTACCTAGGAAGTGGAGGCTTGTGA 906
Db 840 TTGAGGATTTTCACT-GCAAACTCTGCCAAACCCCTTACCTAGGAAGTGGAGGCTTGTGA 898
Qy 907 CAGAGCTCTGAGAAAATGTTGTTGTTGTTTCTCTGGGCTCAGTGATAGTAACATG 966
Db 899 CAGAGCTCTGAGAAAATGTTGTTGTTGTTTCTCTGGGCTCAATGGTCAGTAACATG 958
Qy 967 ACAGCAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTGCAGAGTCCCAAAAAGTTCTG 1026
Db 959 ACAGCAGAAAGGGCCAACTAATTTGCAACAGCCCTTGCAGAGTCCCAAAAAGTTCTG 1018
Qy 1027 TGGAGATTTGATGGGAATAAACCCAGATGCTTAGTCTCAATACCTCGGCTGTATAAGTG 1086
Db 1019 TGGAGATTTGATGGGAATAAACCCAGATGCTTAGGCTCAATACCTCGGCTGTACAAGTG 1078
Qy 1087 ATACCCAGATGACCTTCTAGGTCTATCCAAAACCCAGAGCTTTTATAACTCATGGTGA 1146
Db 1079 ATACCCAGATGACCTTCTAGGTCTATCCAAAACCCAGAGCTTTTATAACTCATGGTGA 1138
Qy 1147 GCCAATGGCAATCTATAGGCAATCTACATGGGATCCCTATGGTGGGCAATTTCCATGTT 1206
Db 1139 GCAAGTGCAATCTATAGGCAATCTACATGGGATCCCTATGGTGGGCAATTTCCATGTT 1198
Qy 1207 TGGGATCAACCTGATAAATGCTCACATGAAGCCAGGAGCAGCTGTTAGATTGGAC 1266
Db 1199 TGGGATCAACCTGATAAATGCTCACATGAAGCCAGGAGCAGCTGTTAGACTGGAC 1258
Qy 1267 TTCAACAATATGTCAGTACAGACTGCTGAATGCACTGAAGACAGTAAATTAATGATCCT 1326
Db 1259 TTCCACACATATGTCAGTACAGACTGCTGAATGCACTGAAGACAGTAAATTAATGATCCT 1318
Qy 1327 TTATATAAGAGAAATTTATGAAATTTCAAGAATTTCAACATGATCAACAGTAAAGCCC 1386
Db 1319 TTATATAAGAGAAATTTATGAAATTTCAAGAATTTCAACATGATCAACAGTAAAGCCC 1378
Qy 1387 CTGGATCAGAGCTCTCTGGATTTGAATTTGTGATGCCCCCAAAAGGAGCCAAACACCTT 1446
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Db 1379 CTGGATCAGAGCTCTCTGGATTTGAATTTGTGTCGCGCACAAAGGAGCAACACCTT 1438
Qy 1447 CGAGTTTCAGCCCATGACCTCAGCTGTTCCAGTACCACTCTTTTGGATGTGATTTGGGTTT 1506
Db 1439 CGAGTTTCAGCCCATGACCTCAGCTGTTCCAGTACCACTCTTTTGGATGTGATTTGGGTTT 1498
Qy 1507 CTGCTGCGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTTCTGCTGTTTGTTC 1566
Db 1499 CTGCTGCGCTGTGGCAACTGTGACATTTATCATCAAAAGTGTGCTGCTGTTTGTTC 1558
Qy 1567 TGGAAAGTTTCTAGAAAGGGAAGAGGAAAGAGATTTAGTTATGTCTGACATTTGAA 1626
Db 1559 TGGAAAGTTTCTAGAAAGGGAAGAGGAAAGAGGATTTAGTTATGTCCGACATTTGAA 1618
Qy 1627 GCTGGAAGAAC 1637
Db 1619 GCTGGAAGAAC 1629

RESULT 3
US-09-356-806-39
; Sequence 39, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARES: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-09-356-806-39

Query Match 84.3%; Score 1443.6; DB 4; Length 1854;
Best Local Similarity 91.5%; Pred. No. 0;
Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

Qy 4 GCATTGCACGAGGATGACTCTGAAATGGACTTTCAGTTCTTCTGCTGATACATCTCCAGTT 63
Db 2 GCATTGCACGAGGATGCTGTGAAATGGACTTTCAGTAAATTTTGTCTAATACACTG-AGCT 60
Qy 64 GTTACTTTAGCTCTGGGAGTTGTGAAAGTGTGTTGGCCGCGAGATACAGCCATT 123
Db 61 TTGCTTTAGCTCTGGGAAATTTGTGAAAGGTTGTTGGGAGAGAAATACAGCCATT 120
Qy 124 GGATGAATATGAAGACAATCCTGAAAGAGCTTTTTCAGAGAGGTCATGAGTGACTGTAC 183
Db 121 GGATGAATATGAAGACAATCCTGGATGAGCTTTTTCAGAGAGGTCATGAGTGACTGTAC 180
Qy 184 TGGCATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGCATCCACTTTTAAATTTGAAG 243
Db 181 TGGCATCTTCAGCTTCCATTCTTTTGTATCCCAAACTCATCCGCTCTTAAAAATTTGAA 240
Qy 244 TTTATCTTACATCTTTAACTAAACTGAATTTTGAGAATATCATCATCAACAGGTTAAGA 303
Db 241 TTTATCCACATCTTTAACTAAACTGAATTTTGAGAATTTTTCATCATGCAACAGATTAGA 300
Qy 304 GATGGTCAGACATTTGAAAGATAGCTTTTGGTTATATTTTTCAGAAACAAAGAAATCC 363
Db 301 GATGGTCAGACCTTCCAAAGATACATTTTGGTTATATTTTTCAGAAAGTACAGGAATCA 360
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Qy	364	TGTCGGGAATTAATATGACATATTTAGAAACTTCTCTAAAGATGTAGTTTCAAATAGAAAG	423	
Db	361		420	
	361	TGTCAAATATTTTGGTGACATACTAGAAAGTTTCTGTAAAGATGTAGTTTCAAATAGAAAT		
	361			
Qy	424	TTATGAAAAAATAACAAGATCAAGATTTGACATTCGTTTTTGGACAGATGCTGTTTTTCCCT	483	
	421		480	
	421	TTATGAAAAAAGTACAAGATCAAGATTTGACGTCAATTTTTTGCAGATGCTATTTTTTCCCT		
421				
Qy	484	GTGCTGAGCTCTGGCTCGGCTACTTAAACATACCGTTTGTGTACAGTCTCCGCTTTTACTC	543	
	481		540	
	481	GTAGTGAGCTCTGGCTGAGCTATTTAAACATACCCCTTTGTGTACAGTCTCAGCTTCTCTC		
481				
Qy	544	CTGGCTACAAATTTGAAAGGCACAGTGGAGGACTGTATTTTCCCTCTCTCTCAATACCTA	603	
	541		600	
	541	CTGGCTACACTTTTGAAGAAGCATAGTGGAGGATTTATTTTTCCCTCTCTCACTACGTACCTG		
541				
Qy	604	TTGTTATGTCNAAATTAAGTCATCAAAATGACTTTTCATGGAGAGGTTAAAAATATGATCT	663	
	601		660	
	601	TTGTTATGTGAGAATTAACATCAAAATGACTTTTCATGGAGAGGTTAAAAATATGATCT		
601				
Qy	664	ATGTGCTTTTATTTTGACTTTTGGTTTCCAAATGTCCTGATATGAAGAAGTGGGATCAGTTTT	723	
	661		720	
	661	ATGTGCTTTTACTTTGACTTTTGGTTTTCGNAATATTTTGACATGAAGAAGTGGGATCAGTTTT		
661				
Qy	724	ACAGTGAAGTTTATAGGAAGACCCACTACTTTATTTTGAGACAAATGGGAAAAAGCTGACATAT	783	
	721		780	
	721	ATAGTGAAGTTTCTAGGAAGACCCACTACATTTATCTGAGACAAATGGGAAAAAGCTGACGTAT		
721				
Qy	784	GGCTTATGCGAAACTCTCTGGAGTTTTTCAATTTTCTCTCATCCATTTCTTACCAAAAGTTTGATT	843	
	781		840	
	781	GGCTTATTTGSAAACTCTCTGGAAATTTTTCAGTTTTCATATCCACTCTTACCAAAATGTTGATT		
781				
Qy	844	TTGTTGGAGGATTCACACTGGCGAAACCTTGCCTCAAAACCCCTTACTCTAGGAAAAATGGAGGAGTTT	903	
	841		899	
	841	TTGTTGGAGGACTCACT- GCNAACTCTGCCNAAACCCCTGCTTAAAGAAAATGGAAGACTTT		
841				
Qy	904	GTACAGAGCTCTGGAGAAAAATGGTGTTGTGGTGTTTTTCTCTGGGGTCAAGTATAAGTAAC	963	
	900		959	
	900	GTACAGAGCTCTGGAGAAAAATGGTGTTGTGGTGTTTTTCTCTGGGGTCAATGGTCAAGTAAC		
900				
Qy	964	ATGACAGCAGAAAGGGCCCAATGTAATTTGCAACACGCCCTTGCCACAGATCCCAACAAAGGTT	1023	
	960		1019	
	960	ATGACAGAAAGAAAGGGCCCAAGTAAATTTGCATTCAGCCCTGGGCCCCAGATCCCAACAAAGGTT		
960				
Qy	1024	CTGTGGAGATTTGATGGGAATAAACCCAGATGCCCTTAGTGTCATACTCTCGGCTGTATAAG	1083	
	1020		1079	
	1020	CTGTGGAGATTTGATGGGAATAAACCCAGATACCTTAGGTCTCAATATCTCGGCTCTACAAG		
1020				
Qy	1084	TGGATACCCCAAGATGACCTTCTTAGGTCAATCCAAAAACAGAGCTTTTATAACTCATGGT	1143	
	1080		1139	
	1080	TGGATACCCCAAGATGACCTTCTTAGGTCAATCCAAAAACAGAGCTTTTATAACTCATGGT		
1080				
Qy	1144	GGAGCCAAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGTTGGGCAATTCCAATTG	1203	
	1140		1199	
	1140	GGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGTTGGGGAATTCCAATTG		
1140				
Qy	1204	TTTTGGGATCAACCTGTATAACATTTGCTCACATGAAGGCCAAGGAGGAGAGCTGTTAGATTG	1263	
	1200		1259	
	1200	TTTGGCGATCAACCTGTATAACATTTGCTCACATGAAGGCCAAGGAGGAGAGCTGTTAGAGTG		
1200				
Qy	1264	GACTTCAACACAAATGTCTGAGTACAGACCTGCTGAAATGCACTTGAAGACAGATAATTAATGAT	1323	
	1260		1319	
	1260	GACTTCAACACAAATGTCTGAGTACAGACCTGCTGAAATGCACTTGAAGAGAGATAATTAATGAT		
1260				
Qy	1324	CCTTTATATAAGAGAAATATATGAAATATTAACAAGATTTCAACATGATCAACCAAGTAAG	1383	
	1320		1379	
	1320	CCTTCATATAAGAGAAATGTTATGAAATATTAACAAGATTTCAACATGATCAACCAAGTAAG		
1320				
Qy	1384	CCCTTGGATCGAGAGCTCTCTGGATTTGAAATTTGCTATGCCCCCAAGGAGGCCAACAC	1443	
	1380		1439	
	1380	CCCTTGGATCGAGAGCTCTCTGGATTTGAAATTTGCTATGCCCCCAAGGAGGCCAACAC		
1380				
Qy	1444	CTTGGAGTTGACAGCCCACTGACCTCACCTGGTTTCCAGTACCACTCTTTTGGATGTGATTTGGG	1503	
	1440		1503	
	1440	CTTGGAGTTGACAGCCCACTGACCTCACCTGGTTTCCAGTACCACTCTTTTGGATGTGATTTGGG		
1440				

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Db      1440  CTTTGGGGTTGCAGCCCGAGCCTCACCTGGTTTCAGTACCACCTCTTTGGATGTGATGGG 1499
Qy      1504  TTTCTGCTGGCCTGTGTGGCAACTGTGATATTATTCATCACAAGCTTTTGTCTGTTTTGT 1563
Db      1500  TTCTCTGCTGGTCTGTGTGGCAACTGTGATAATTATCGTCACAATAATGTTGTCTGTTTTGT 1559
Qy      1564  TTTCTGGAAGTTTGTGTAGAAAAGGGAAGGAAGGAAAAAGAGATTAGTTATGTCCTGCACATTT 1623
Db      1560  TTCTGGAAGTTTGTGTAGAAAAGCAAGAAAGGGAAGAAATGATTAGTTATATCTGAGATTT 1619
Qy      1624  GAAGCTGGAAACCAGATAGATAGGACAACCTTCAGTTTTATTCCACAGAAAGAAAAGAT 1683
Db      1620  GAAGCTGGAAACCCTGATAGGTGAGACTACTTCAGTTTTATTCCAGCAAG-----AAAGAT 1674
Qy      1684  TGTATGCAAGATTTCTTTCTTCCTGTGAC 1713
Db      1675  TGTGATCAAGATTTCTTTCTTCCTGTGAC 1704

RESULT 4
US-09-949-016-2734
; Sequence 2734, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2734
; LENGTH: 1832
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1832)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-2734

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Qy 304 GATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAGACA-AGAAATC 362
Db |||||
Qy 277 NNTGGTCAGACCTTCCAAAGATACATTTTGGTTATATTTTTCACAAGTACAGGGAATC 336
Db |||||
Qy 363 CTGTGGGAATTTATATGACATATTTAGAACTTCTGTAAAGATGTAGTTTCAAATAAGAAA 422
Db |||||
Qy 337 ATGTCATATTTGGTGACATAACTAGAAAGTTCTGTAAAGATGTAGTTTCAAATAAGAAA 396
Db |||||
Qy 423 GTTATGAAAAAATCTAAGAGTCAAGATTTGACATTCGTTTGTGAGATGCTGTTTTTCCC 482
Db |||||
Qy 397 TTTATGAAAAAAGTACAAGAGTCAAGATTTGACGTCAATTTTGCAGATGCTATTTTCCC 456
Db |||||
Qy 483 TGTGCTGAGCTGCTGGCTCGCTACTTTAAACATACGTTTGTGTACAGTCTCCGCTTTACT 542
Db |||||
Qy 457 TGTAGTGAGCTGCTGGCTGAGCTATTTAAACATACCCCTTTGTGTACAGTCTCAGCTTCTCT 516
Db |||||
Qy 543 CCTGGCTACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCT 602
Db |||||
Qy 517 CCTGGCTACACTTTGAAAGCATAGTGGAGGATTTATTTTCCCTCTCTTCTACGTACCT 576
Db |||||
Qy 603 ATTGTTATGCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAATATGATC 662
Db |||||
Qy 577 GTTGTATGTGAGAAATTAAGTATCAAAATGACTTTTCATGGAGAGGGTAAAAATATGATC 636
Db |||||
Qy 663 TATGTGCTTTATTTGACTTTTGGTTCAAATGTCGTATGTAAGAGTGGGATCACTTT 722
Db |||||
Qy 637 TATGTGCTTTACTTTGACTTTTGTGCGAAATATTTGACATGAAGAGTGGGATCACTTT 696
Db |||||
Qy 723 TACAGTGAAGTTTAGGAAGACCCACTACCTTTATTTGAGACAATGGGAAAGCTGACATA 782
Db |||||
Qy 697 TATAGTGAAGTTCTAGNAGACCCACTACATATATCTGAGACATGGGAAAGCTGACGTA 756
Db |||||
Qy 783 TGGCTTATGCGAAATCCTGGAGTTTCAAATTTCTCTCATCATCTTTACCAAAGCTTTGAT 842
Db |||||
Qy 757 TGGCTTATGCGAAATCCTGGAAATTTTCACTTTCCATATCCACTTTACCAAATGTTGAT 816
Db |||||
Qy 843 TTTGTTGGAGATTTCCACTGCGCAACCTGCGCAACCCCTACTTAAGGAATGGAGGATTT 902
Db |||||
Qy 817 TTTGTTGGAGACTCCCACT-GCAAACTGCGCAAAACCCCTGCTTAAGGAAATGGAAAGCTT 875
Db |||||
Qy 903 TGTACAGAGCTCTGGAGAAATGTTGTGTGTGTTTCTCTGGGGTCAAGTAAAGTAA 962
Db |||||
Qy 876 TGTACAGAGCTCTGGAGAAATGTTGTGTGTGTTTCTCTGGGGTCAATGTTGTCAGTAA 935
Db |||||
Qy 963 CATGACAGCAAGAAAGGCGCAATGTAAATGCAACAGCCCTTGCCAAAGATCCCAAAAAGGT 1022
Db |||||
Qy 936 CATGACAGCAAGAAAGGCGCAACGTAAATGTCATCAGCCCTGGCCCGAGATCCCAAAAAGGT 995
Db |||||
Qy 1023 TCTGTGGAGATTTGATGGGATAAACCAGATGCTTAGGTCTCAATACTCGGCTGTATAA 1082
Db |||||
Qy 996 TCTGTGGAGATTTGATGGGATAAACCAGATACCTTAGGTCTCAATACTCGGCTGTATAA 1055
Db |||||
Qy 1083 GTGGATACCCAGAAATGACCTTTAGGTCTCAAAAACAGAGCTTTTAACTCATGG 1142
Db |||||
Qy 1056 GTGGATACCCAGAAATGACCTTTAGGTCTCAAAAGACAGAGCTTTTAACTCATGG 1115
Db |||||
Qy 1143 TGGAGCCAAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGTTGGGCAATTCOAAT 1202
Db |||||
Qy 1116 TGGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGTTGGGATTCOAAT 1175
Db |||||
Qy 1203 GTTTTGGGATCAACCTGATTAACATTTGTCATCAAGAGCCAGGAGGAGCTGTAGATTT 1262
Db |||||
Qy 1176 GTTTTGGGATCAACCTGATTAACATTTGTCATCAAGAGCCAGGAGGAGGAGCTGTAGATTT 1235
Db |||||
Qy 1263 GGACTTCAACACAATGTGAGTACAGAGCTCTCAATGCACTGAAGAGAGTAAATTAATGA 1322
Db |||||
Qy 1236 GGACTTCAACACAATGTGAGTACAGAGCTCTCAATGCAATTTGAAGAGAGTAAATTAATGA 1295
Db |||||
Qy 1323 TCCTTTATTAAGAGAGATATTTATGAAATTTCAAGAAATTCAGATGATCAACAGTAA 1382
Db |||||
Qy 1296 TCCTTTATTAAGAGAGATATTTATGAAATTTCAAGAAATTCAGATGATCAACAGTAA 1355
Db |||||
Qy 1383 GCGGCTGGATCGAGAGTCTTCTGGATTTGAATTTGTGATGCGCCCAAGAGAGCCAAACA 1442
Db |||||

Db 1356 GCGGCTGGATCGAGAGTCTTTGGAATGAATTTGTGATGATGCGCCCAAGAGAGCTAAACA 1415
Qy 1443 CTTTCGAGTTGACAGCCCATGACCTCACCTGGTTCAGTACCACCTCTTTTGGATGTGATGG 1502
Db |||||
Qy 1416 CTTTCGAGTTGACAGCCCATGACCTCACCTGGTTCAGTACCACCTCTTTTGGATGTGATGG 1475
Db |||||
Qy 1503 GTTTCGCTGCGCTGTGTGCAACTGTGATATTTATCATCACAAGTTTGTCTGTTTGG 1562
Db |||||
Qy 1476 GTTTCGCTGCTGTGTGGCAACTGTGATATTTATCGTCAAAAATGTTGTCTGTTTGG 1535
Db |||||
Qy 1563 TTTTCGGAAGCTTTGCTAGAAAAGGGAAGGAAAAGAGATTAGTTATGCTCTGACATT 1622
Db |||||
Qy 1536 TTTTCGGAAGCTTTGCTAGAAAAGGGAAGGAAAAGATGATTAGTTATATCTGAGATT 1595
Db |||||
Qy 1623 TGAAGCTGGAACACCATAGATAGGACAACTTTCAGTTTATCCAGCAAGAAAAGAAAAGA 1682
Db |||||
Qy 1596 TGAAGCTGGAACACCATAGATAGGAGAGACTACTTCAGTTTATTTCCAGCAAG----AAAGA 1650
Db |||||
Qy 1683 TTGTTATGCAAGATTTCTTTCTCTCTGTGAC 1713
Db |||||
Qy 1651 TTGTTATGCAAGATTTCTTTCTCTCTGTGAGAC 1681
Db |||||

RESULT 5

US-09-356-806-7
; Sequence 7, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38)...(1621)
US-09-356-806-7

Query Match 79.1%; Score 1354.2; DB 4; Length 2092;
Best Local Similarity 88.8%; Pred. No. 0;
Matches 1522; Conservative 0; Mismatches 183; Indels 8; Gaps 5;

Qy 1 ATGCGATTGCACAGGATGACTCTGAAATGGACTTCAGTTCTCTGCTGATACATCTCCA 60
Db |||||
Qy 22 ATTGCAATGTCATCAGGATGCTATGAAATGGACTTCAGCTCTTCTGCTGATACAGCT-GA 80
Db |||||
Qy 61 GTTGTACTTTTAGCTCTGGGAGTTGTGAAAAGTGTGGTGGGCGCGAGAAATACAGCC 120
Db |||||
Qy 81 GCTGTACTTTTAGCTCTGGGAGTTGTGAAAAGTGTGGTGGGCGCGAGAAATACAGCC 140
Db |||||
Qy 121 ATTGGATGAATATCAAGACAATCCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTGACTG 180
Db |||||
Qy 141 ACTGGATGAATATAAAGACAATCCTGGATGAACTTGTCCAGAGAGGTCATGAGGTGACTG 200
Db |||||
Qy 181 TACTGGATCTTCAGCTTCCATCTTTTTCATCCCAATGATGATCCACCTTTAAATTTG 240
Db |||||
Qy 201 TATTGGCATCTTCAGCTTCCATTTCTTTTCGATCCCAACAGCCCATCTACTCTTAAATTTG 260
Db |||||
Qy 241 AAGTTTATCTCTACATCTTTTAACTAAAACTGAAATTTGAGAATATCATCATGCAACAGGTTA 300
Db |||||
Qy 261 AAGTTTATCTCTATCTTTAACTAAAACTGAGTTTGGAGATATTTATCAAGCAGCTGGTTA 320
Db |||||

Qy	301	AGAGATGCTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACGAGAAA	360
Db	321	AGAGATGGCGAGAACTTCCAAAAGACACATTTTGGTCATATTTTTCACANGTACAAGAAA	380
Qy	361	TCCTGTGGGAATTATGACATATTTAGAAAACCTTCTGTAAAAGATGTAGTTTCAAATAAGA	420
Db	381	TCATGTGCACATTTAAATGCACATACTTAGAAGATCTGTGAAGATATAGTTTCAAAATAGA	440
Qy	421	AAGTTATGAAAAAACTACAAGATCAAGATTTGACATCGTTTTTTCAGAGATGCTGTTTTTC	480
Db	441	AACTTATGAAAGAACTACAGAGTCAAGATTTGATGTGTGTTCTTTCGCAGATGCTGTTTTTC	500
Qy	481	CCTGTGGTGAGCTGCTGGCTCGCTACTTTAACATACGGTTTGTGTACAGTCTCCGCTTTTA	540
Db	501	CCTTTGGTGAGCTGCTGGCCAGTTACTTTAAANATACCCTTTGTCTACAGCCTCCGCTTCT	560
Qy	541	CTCCTGGCTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTTCAATAC	600
Db	561	CTCCTGGCTACGCAATTTGAAAGCATAGTGGAGGACTTCTGTTCCCTCTTCTTATGTGC	620
Qy	601	CTATTGTTATGTCAAAATTAAGTATGATCAAAATGACTTTCATGGAGAGGGTAAAAATATGA	660
Db	621	CTGTGTTATGTCAAGAACTAAGTACCAAAATGACTTTTCATAGAGAGGGTAAAAATATGA	680
Qy	661	TCTATGTGCTTTATTTTGACTTTTGGTTTCCAAATGTCTGATATCGAAGAGTGGGATCAGT	720
Db	681	TCTATGTGCTTTATTTTGAATTTTGGTTTCCAAATATTTTGACATGAAGAAGTGGGATCAGT	740
Qy	721	TTTACAGTGAAGTTTATAGGAAGACCCACTACTCTTATTTTGACACAATGGGAAAAGCTGACA	780
Db	741	TCTACAGTGAAGTTCTAGGAAGACCCACTACGTTATCTGAGACAATGGCAAAAGCTGACA	800
Qy	781	TATGGCTTATCGGAAACTCTCTGGAGTTTTTCAATTTTCCTATCCATCTTTACCAAAAGTTG	840
Db	801	TATGGCTTATTCGAAACTACTCTGGGATTTTCAATTTTTCCTTCACCACTCTTACCAAATGTTG	860
Qy	841	ATTTTGTGGAGGATTCACATGGCAAACTCGCAAAACCCCTACCTTAGGAAATCGAGGAG	900
Db	861	AGTTCTGTTGGAGGACTCCACT-GCAAACTCGCAAAACCCCTACCGAAGGAAATGGAAGAG	919
Qy	901	TTTGTACAGAGCTCTGGAGAAAAATGGTGTGTGGTGTTTTCTCTGGGGTCAGTGATAAGT	960
Db	920	TTTGTCCAGAGCTCTGGAGAAAAATGGTGTGTGGTGTTTTCTCTCTGGGGTCGATGGTCAGT	979
Qy	961	AACATGACGACGAGAAAGGGCCAAATGTAAATGCAACAGCCCTTGGCCAGATCCCAAAAAG	1020
Db	980	AACACATCAGAAAGAAAGGGCCAAATGTAAATGTCATCAGCCCTTGGCAAGATCCCAAAAAG	1039
Qy	1021	GTTCTGTGGAGATTTGATGGGAATAAACCCAGATGCCCTTAGTGTCATACTCTCGGCTGTAT	1080
Db	1040	GTTCTGTGGAGATTTGATGGGAATAAACCCAGATGACTTTTAGACTCAATATCTCGGCTGTAC	1099
Qy	1081	AAGTGGATACCCAGAATGACCTTCTAGTGATCCAAAAACCCAGAGCTTTTATAACTCAT	1140
Db	1100	AAGTGGATACCCAGAATGATCTTCTTGGTCAACCCAAAAACCCAGAGCTTTTATAACTCAT	1159
Qy	1141	GGTGGAGCCAAATGSCATCTATAGGCGAATCTACCATGGATCCCTATGTGGGGCATTTCCA	1200
Db	1160	GGTGGAGCCAAATGGCAATCTATAGGCGAATCTACCATGGAAATCCCTATGTGGGGGGTTCCA	1219
Qy	1201	TTGTTTTGGGATCAACTGATTAACATTTGCTCACATGAAGCCAGGAGGAGAGCTGTTAGA	1260
Db	1220	TTGTTTGCAGATCAACTGATTAACATTTGCACACATGAAGGCCAAGGAGAGCAGCTGTTAGT	1279
Qy	1261	TTGCACTTCAACACAATGTGAGTACAGACCTGCTGTAATGCATCTGAAGACAGATTAATTAAT	1320
Db	1280	TTGGACTTCCACACAATGTGAGTACAGACTTACTCAATGCATCTGAAGACAGATTAATTAAT	1339
Qy	1321	GATCCTTTATATAAGAGAAATATTTGAATTTATCAAGAAATTAACATGATCAACCAAGTA	1380
Db	1340	GATCCTTTATATAAGAGAAATGCTATGAAATTTATCAAGAAATTCATATGATCAACCAAGT	1399

RESULT 7

US-09-949-016-3181

US-09-343-018-3181
; Sequence 3181, Application US/09949016; sequence 3101, App
; Patent No. 6812339; PATENT NO. 6812339
: GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENIER, O. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

1. TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE. METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

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; CURRENT REFLECTION NUMBER: 03/0
; CURRENT FILING DATE: 2000-04-14

; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755

;
; PRIOR APPLICATION NUMBER: 607/
; PRIOR FILING DATE: 2000-10-20

; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768

;
; PRIOR FILING DATE: 2000-10-03

; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; ERROR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3181

; LENGTH: 2092

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; LENGTH: 2092
; TYPE: DNA

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ORGANISM: Human

US-09-949-016-3181

Query Match	Score 1349.4;	DB 4;	Length 2092;
78.8%			

Query matrix	78.5%	SCORE 1343.1
Best Local Similarity	88.7%	Pred. No. 0;

Best local similarity 88.7%; Freq: NO: 0;
Matches 1519; Conservative 0; Mismatches 186; Indels 8; Gaps 5;

1 ATCGCATTGCACCCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCA 60

QY I ATGGCAATGACCAAGGATGACATCAGAAATGGACTTCAGTCTCTCGTGAATGATCTCCA 60

DB 22 ATTGCAATGCAATCAGGAATGTCATATGAATAATGGACTTTCAGCTCTTCTGCTGATACAGCT-GA 80

61 GTTGTTCATTAGCTCTGGGAGTTGTGAAAAGTGTGCTGGTGTGGGCCCGCAGAAATACAGCC 120

Db 81 GCTGTTACCTTAGCTCTGGGAGTTGTGGAAAGGTGCTGGTGGCCACACAAATTCAGCC 140

DB 81 GCTGTACTTAGCTCTGGGAGTGTGGAAAGTGCCTGGTGTGGCCACAGAAATTCAGCC 140

QY
121 ATTGGATGAATATGAAGACAATCCTGAAAGAGCTTGTTCAGAGAGGTGATGAGGTGACTG 180

db 141 ACTGGATGCAATATAGACCAATCCTGGATGACCTTCTCCAGACGCTCATACCTGCTG 200

[illegible]

181 TAC TGG CAT C T T CAG C T T C C A T T C T T T T G A T C C C A A T G A T G C A T C C C A C T C T T A A A T T T G 240

Qy	301	AGAGATGGTCAGACATTTGAAAAAGATAGCTTTTGGTTATATTTTTCACAGAACAAGAAA	360
Db	321	AGAGATGGGAGAACTTTCAAAGAGACACATTTTGGTCATATTTTTCACAAGTACAAGAAA	380
Qy	361	TCCTGTGGGAATTATATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAAGA	420
Db	381	TCATGTGGACATTTAATGACATCTTAAGAAAGTCTGTAAGGATATAGTTTCAAAATAAGA	440
Qy	421	AAGTTATGAAAAAACAATAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTC	480
Db	441	AACTTATGAAGAAACTACAGAGTCAAGATTTGATGTGTTCTTTCAGAGATGCTGTTTTTC	500
Qy	481	CCTGTGCTGAGCTGCTGGCTGCGCTACTTAACATACGGTTTGTGTACAGTCTCGGCTTTA	540
Db	501	CCTTTGTGTAGCTGCTGGCGAGTTACTTAAATACCCTTTGTCTACAGCCTCGCTTCT	560
Qy	541	CTCTGCTCTACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTCTACATAC	600
Db	561	CTCTGCTACGCNATTTGAAAAGCATAGTGGAGGACTTGTGTTCCCTCTCTCTATGTGC	620
Qy	601	CTATGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAATAAGA	660
Db	621	CTGTGTTATGTCAGAACTAAGTGACCAATGACTTTTCATAGAGAGGGTAAAAATAAGA	680
Qy	661	TCATATGCTTTATTTTGTACTTTTGGTTTCCAAATGCTGATATGAAGAAGTGGGATCAGT	720
Db	681	TCTATGTCCTTATTTTGAATTTTGGTTCCAAATATTTTGACATGAAGAAGTGGGATCAGT	740
Qy	721	TTTACAGTGAAGTTTTAGGAAGCCCACTACTCTTATTTTGACAAATGGGAAAAAGCTGACA	780
Db	741	TTCTACAGTGAAGTTCTAGGAAGACCCACTACGTTTATCTGAGACAAATGGCAAAAGCTGACA	800
Qy	781	TATGGCTTATGCGNAACTCTCTGGAGTTTTCAATTTCTCTCATCCATTTCTTACCAACGTTG	840
Db	801	TATGGCTTATTCGAAACTACTGCGGATTTTCAATTTCTCTCACCCCACTTTCACCAATGTTG	860
Qy	841	ATTTTGTGGAGGATTCACATGGGCAACCTGCGCAACCCCTACTCTAAGGAAATGGAGGAG	900
Db	861	AGTTTCGTGGAGGACTCCACT-GCAAACTTGCDAACCCCTACCGAAGGAAATGGAAGAG	919
Qy	901	TTTGTACAGAGCTCTGGAGAAAATGTTGTTGTGGTGTTTTCTCTGGGGTCAGTGATAAGT	960
Db	920	TTTGTCCAGAGCTCTGGAGAAAATGTTGTTGTGGTGTTTTCTCTGGGGTCGATGGTCAGT	979
Qy	961	AACATGACAGAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGCCCAAGATCCCACAAAAG	1020
Db	980	AACACATCAGAANAAGGGCCAAATGTAATTTGCATCAGCCCTTGCCCAAGATCCCACAAAAG	1039
Qy	1021	GTTCGTGGGAGATTTGATGGGAATAAACAGATGCCCTTAGTCTCAATCTACGCTGTAT	1080
Db	1040	GTTCGTGGGAGATTTGATGGGAATAAACCCAGATACTTTTAGGACTCAATCTCGGCTGTAC	1099
Qy	1081	AAGTGGATACCCAGATGACCTTCTAGGTCAATCCAAAAACAGAGCTTTTATAACTCAT	1140
Db	1100	AAGTGGATACCCAGAAATGATCTTCTTGGTCAACCAAAAAACAGAGCTTTTATAACTCAT	1159
Qy	1141	GGTGGACCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTTGGGATTTCCA	1200
Db	1160	GGTGGACCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTTGGGCTTCCA	1219
Qy	1201	TTGTTTGGGATCAACCTGATAACATTTGCTCACATGAAGGCCAAGGAGCAGCTGTTAGA	1260
Db	1220	TTGTTTGCAGATCAACCTGTATAACATTTGCACATGAAGGCCAAGGAGCAGCTGTTAGT	1279
Qy	1261	TTGAGCTTCAACAACATGTCGAGTACAGACCTGCTGAATGCACCTGAAGACAGTAATTAAT	1320
Db	1280	TTGAGCTTCCACACATGTCGAGTACAGACTTCTCAATGCATCTGAAGACAGTAATTAAT	1339
Qy	1321	GATCCTTTATATAAGAGAAATATTTATGAAATTTATCAAGAAATTCACATGATCAACCAAGTA	1380
Db	1340	GATCCTTTATATAAGAGAAATGCTATGAAATTTATCAAGAAATTCATCATGATCAACCAAGTG	1399

Qy	1381	AAGCCCTGGATCGACGAGTCTTTCTGGATTGAATTTGTTCATGCCCAACAAGGAGCCAAA	1440
Db	1400	AAGCCCTTGAAAGAGCAGTCTTCTGGATTGAATTTGTTCATGCCCATAAAGAGCCAAAG	1459
Qy	1441	CACCTTCGAGTTGCAGCCCATGACTCACCTCGGTTCCAGTACCACCTCTTTGGATGTGATT	1500
Db	1460	CACCTTCGGGTTGCAGCCACGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGACT	1519
Qy	1501	GGGTTTCTGTGGCTGTGTGGCAACTGTGTATATTTATCATCAAAAGTTTTGTCTGTGTTT	1560
Db	1520	GGGTTCTGTCTGGCTGTGTGGCAACTGTGTATATTTATCATCACAAA---ATGCTGTGTTT	1576
Qy	1561	TGTTTCTGGAAGTTTGCTAGAAAAAGGGAAGGGAAGGAAAAGAGATTAGTTATGTCCTGACA	1620
Db	1577	TGCTCTGGAAGTTTGTTAGAACAGGAAAGGGAAGGGAAGAGATTAAATTACGCTGAGG	1636
Qy	1621	TTTGAAGCTGAAAAACCATAGATAGGACAACCTTCAGTTTATTCAGCAAGAAAGAAAAA	1680
Db	1637	CTGGAAGCTGGGAACCCAATAAT-GAACTCCTTTAGTTTATTATACAAGAA--GACG	1693
Qy	1681	GATTGTTATGCAAGATTCTTTCTTCCTGTGAC	1713
Db	1694	TTGTGATACAAGAGATTCCTTCTTCTGTGAC	1726
 RESULT 8 US-09-949-016-1128			
; Sequence 1128, Application US/09949016			
; Patent No. 681239			
; GENERAL INFORMATION:			
; APPLICANT: VENTER, J. Craig et al.			
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED			
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF			
; FILE REFERENCE: CL001307			
; CURRENT APPLICATION NUMBER: US/09/949,016			
; CURRENT FILING DATE: 2000-04-14			
; PRIOR APPLICATION NUMBER: 60/241,755			
; PRIOR FILING DATE: 2000-10-20			
; PRIOR APPLICATION NUMBER: 60/237,768			
; PRIOR FILING DATE: 2000-10-03			
; PRIOR APPLICATION NUMBER: 60/231,498			
; PRIOR FILING DATE: 2000-09-08			
; NUMBER OF SEQ ID NOS: 207012			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 1128			
; LENGTH: 2093			
; TYPE: DNA			
; ORGANISM: Human			
US-09-949-016-1128			
 Query Match 78.4%; Score 1343; DB 4; Length 2093;			
Best Local Similarity 88.4%; Pred. No. 0;			
Matches 1515; Conservative 0; Mismatches 190; Indels 8; Gaps 5;			
Qy	1	ATCCGATTGCACGAGTAGCTCGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCA	60
Db	22	ATTGCAATTGCATCAGGATGCTATGAAATGGACTTCAGTCTTCTGCTGATACAGCT-GA	80
Qy	61	GTTCGTTACTTTAGCTCTGGGAGTTGTGAAAAGTCTGGTGTGGCCGCGAGAATACAGCC	120
Db	81	GTCTTTACTTTAGCTCTGGGAGTTGTGGAAAGGTGCTGGTGTGGCCCAACAGAAATTCAGCC	140
Qy	121	ATTGGATGAATATCAAGACAACTCTGAAAGAGCTTGTTTCAGAGAGGTATGAGGTGACTG	180
Db	141	ACTGGATGAATATAAAGACAACTCTGGATGAACCTTGTCCAGAGAGGTATGAGGTGACTG	200
Qy	181	TACTGSGATCTTCAGCTCCATTCTTTTGTATCCCAATGATGCATCCACTCTTAATTTG	240
Db	201	TATTGGCATCTTCAGCTTCCATTCTTTTCGATCCCAACAGCCCATCTACTCTTAATTTG	260
Qy	241	AAGTTTATCTACATCTTTAACTAAAACTGAAATTTGAGAATATCATATGCAACAGGTTA	300
Db	261	AAGTTTATCTGTATCTTTAACTAAAACTGAGTTTGAGATATTAATCAAGCAGCTGGTTA	320


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Qy 301 AGAGATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATATTTTTCACAGAAACAGAA 360
Db 321 AGAGATGGCAGAACTTCCAAAGACACATTTTGGTCATATATTTTCAAGATCAAGAA 380
Qy 361 TCCTGTGGGAATTATATGACATATTTAGAACTTCTGTAAAGATGTATTTTCAATTAAGA 420
Db 381 TCATGTGGCATTAAATGACATCTTAGAAGTCTCTGTAGGATATAGTTTCAATTAAGA 440
Qy 421 AAGTTATGAAAAAATAAGAGTCAAGATTTGACATCGTTTTTTTTCAGATGCTCTTTTC 480
Db 441 AACTTATGAAGAACTACAGAGTCAAGATTTGATTTGTTCTTTCGAGATGCTCTTTTC 500
Qy 481 CCTGTGTGAGCTGCTGGCTGGCTACTTACATACAGTTTGTGTACAGTCTCGCTTTA 540
Db 501 CCTTGTGTGAGCTGCTGGCTGGCTACTTAAATACCTTTGTCTACAGGCTCGCTTCT 560
Qy 541 CTCCTGGCTACACAAATGAAGAGCAGTGGAGACTGATTTTCCCTCTCTCTTACATAC 600
Db 561 CTCCTGGCTACGCAATGAAGAGCAGTGGAGACTTCTGTTCCCTCTCTCTATATGTC 620
Qy 601 CTATTTGTATGCAAAATTAAGTATCAAAATGATTTTCAAGAGAGGTAAAAATATGA 660
Db 621 CTGTTGTATGTCAGAACTAAGTGACCAATGACTTTTCAAGAGAGGTAAAAATATGA 680
Qy 661 TCTATGCTTTATTTGACTTTTGGTTCGAAATGCTGATATGAAGTGGATCAGT 720
Db 681 TCTATGCTTTATTTGAAATTTTGGTTCGAAATTTTGAATGAAGAAGTGGATCAGT 740
Qy 721 TTTACAGTGAAGTTTATAGGAAGCCACTACTTATTTAGACAAATGGAAGAGCTGACA 780
Db 741 TCTACAGTGAAGTTTATAGGAAGCCACTACTTATTTAGACAAATGGAAGAGCTGACA 800
Qy 781 TATGGCTTATCGAAACTCTGGAGTTTTCATTTTCCCTCATCTTCTTACCAACGTTG 840
Db 801 TATGGCTTATCGAAACTCTGGAGTTTTCATTTTCCCTCACCACTCTTACCAATGTTG 860
Qy 841 ATTTTGTGGAGGATTTCCACTGGCAAACTCCCAAACTCCCTACCTAGAGAAATGGAGAG 900
Db 861 AGTTCTGTGGAGGACTCCACT - GCAAACTCTCCAACTCCCTACCTAGAGAAATGGAAGAG 919
Qy 901 TTTCTACAGACTCTGGAGAAATGTTGTTGTTGTTTCTCTGGGCTCAGTCAATAGT 960
Db 920 TTTCTACAGACTCTGGAGAAATGTTGTTGTTGTTTCTCTGGGCTCAGTCAATAGT 979
Qy 961 AACATGACAGAGAAAGGCCAAATGTAATTCGAAAGCCCTTGGCAAGATCCCAAAAG 1020
Db 980 AACAGCTCAGAGAAAGGCCCAATGTAATTCGATCAGCCCTTGGCAAGATCCCAAAAG 1039
Qy 1021 GTTCTGTGGAGATTGATGGGAATAAACAGATGCTTGTAGTCTCAATPACTCGGCTGTAT 1080
Db 1040 GTTCTGTGGAGATTGATGGGAATAAACAGATGCTTGTAGTCTCAATPACTCGGCTGTAT 1099
Qy 1081 AAGTGGATACCCAGATGACTTCTAGGTCTATCCAAACAGAGCTTTTATTAACCTAT 1140
Db 1100 AAGTGGATACCCAGATGACTTCTTGGTCAACCAAAACAGAGCTTTTATTAACCTAT 1159
Qy 1141 GGTGAGCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGTTGGGCAATCCA 1200
Db 1160 GGTGAGCAATGGCATCTATGAGGCAATCTCTCTAGAAATCCCTATGTTGGGCTGTCCA 1219
Qy 1201 TTGTTTTGGGATCAACCTGTATAACATTGCTCACATGAAGGCCAAGGGAGCAGCTGTTAGA 1260
Db 1220 TTGTTTTGGGATCAACCTGTATAACATTGCTCACATGAAGGCCAAGGGAGCAGCTGTTAGT 1279
Qy 1261 TTGAGCTTCAACACATGCTCAGTACACACCTGCTGAATGCTGACTGAAGACAGTAAAT 1320
Db 1280 TTGAGCTTCCACAAATGCTCAGTACACAGCTTACTCAATGCACTGAAGACAGTAAAT 1339
Qy 1321 GATCCTTTATATAAGAGAAATATATGAAATTTATCAAGAAATTAACATGATCAACCCAGTA 1380
Db 1340 GATCCTTTATATAAGAGAAATGCTATGAAATTTATCAAGAAATTTATCATGATCAACCCAGTG 1399
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Qy 1381 AAGCCCTGTGATCGAGCAGTCTTCTGGATTGAATTTCTGTCGCCCCACAAAGGAGCCAAA 1440
Db 1400 AAGCCCTTGTATCGAGCAGTCTTCTGGATTGAATTTCTGTCGCCCCATAAGGAGCCAG 1459
Qy 1441 CACCTTCAGATTTCAGCCCCATGACCTCACCTGGTTCAGTACCACTCTTTTGGATGTGATT 1500
Db 1460 CACCTTCGGGTTCAGCCCCACGACCTCACCTGGTTCAGTACCACTCTTTTGGATGTGACT 1519
Qy 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT 1560
Db 1520 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAA - - - ATGCTGTTT 1576
Qy 1561 TGTTCCTGGAAGTTTGTAGAAAGGGAAGGAAAAAGAGATTAGTTATGTCTGACA 1620
Db 1577 TGTGCTGGAAGTTTGTAGAAAGGGAAGGAAAAAGAGATTAAATACGTCTGAGG 1636
Qy 1621 TTTGAAGCTGAAAAACAGATAGTAGACAACCTTCAGTTTATTTCCAGCAAGAAAGAAA 1680
Db 1637 CTGGAAGCTGGAAGAACCAATAAAT - GAACCTCTTTAGTTTATTAACAAGAA - - GACG 1693
Qy 1681 GATTGTTATGCAAGATTCTTTCTTCTCTGTGAC 1713
Db 1694 TTGTGATACAAAGAGATTCTCTTCTTCTGTGAC 1726

RESULT 9
US-09-180-852-1
; Sequence 1, Application US/09180852
; Patent No. 6287834
; GENERAL INFORMATION:
; APPLICANT: BELANGER, Alain
; APPLICANT: HUM, Dean W.
; APPLICANT: BEAULIEU, Martin
; APPLICANT: LEVESQUE, Eric
; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE
; FILE REFERENCE: 1259-449
; CURRENT APPLICATION NUMBER: US/09/180,852
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: PCT/CA97/00328
; EARLIER FILING DATE: 1997-05-16
; EARLIER APPLICATION NUMBER: US 08/649,319
; EARLIER FILING DATE: 1996-05-17
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (52)..(1644)
US-09-180-852-1

Query Match 70.1%; Score 1201.6; DB 3; Length 2107;
Best Local Similarity 83.6%; Pred. No. 0;
Matches 1435; Conservative 0; Mismatches 269; Indels 12; Gaps 6;

Qy 1 ATGCGATTGCACCAAGGATGACTCTGAAATGGAGTTCAAGTTCTCTCTGTGATACATCTCCA 60
Db 36 ATTGCATAAGACCAGGATGCTCTGAAATGGATGTCAGTCTTTCTGTGATGACGCT-CA 94
Qy 61 GTTGTTACTTTAGCTCTGGGAGTTGTGAAAGTGTGGTGTGGCCGCGCAGAAATACAGCC 120
Db 95 GTTGTTACTTTAGCTCTGGGAGTTGTGAAAGTGTGGTGTGGCCACACAAATACAGCC 154
Qy 121 ATTGGATGAATATGAAGACAACTCTGAAAGAGCTTGTTCAGAGAGTCATGAGGTGACTG 180
Db 155 ATTGGATAAATATGAAGACAACTCTGAAAGAGCTTGTTCAGAGGGGTCTAGGAGGTGTTG 214
Qy 181 TACTGGCATCTTCAGCTTCCATCTTTTGTGATCCCAATGATGATCCACTCTTAAATTTG 240
Db 215 TGTGACATCTTCGGCTTCTATTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTAG 274
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Db 246 AAGTTTATCCTCAATCTTTAACTAAAACTGAAATTTGAGAATATCATCATCAACAGGTTA 305
Qy 301 AGAGATGGTCAGACATTCGAAAGAGATAGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 360
Db 306 AGAGATGGTCAGACATTCGAAAGAGATAGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 365
Qy 361 TCCGTGGGAATTTATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAAGA 420
Db 366 TCCGTGGGAATTTATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAAGA 425
Qy 421 AAGTTATGAAAACTACAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTC 480
Db 426 AAGTTATGAAAACTACAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTC 485
Qy 481 CCTGTGGTGAAGTCTGCTGCTGCTACTTAACATACCGTTTGTGTACAGTCTCCGCTTTA 540
Db 486 CCTGTGGTGAAGTCTGCTGCTGCTACTTAACATAC----- 521
Qy 541 CTCTCGCTACACAAATGAAAGGCACAGTGGAGACTGATTTTCCCTCCTTCTCTCATAC 600
Db 522 ----- 521
Qy 601 CTATTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAAATATGA 660
Db 522 ----- 521
Qy 661 TCTATGTCCTTTATTTGACTTTTGGTTCCAAATGCTGATATGAAGAAGTGGATCAGT 720
Db 522 ----- 521
Qy 721 TTTCAGTGAAGTTTATAGGAAGCCCACTACTTATTTGAGACAATGGGAAAAGCTGACA 780
Db 522 -----GACCCACTACCTTATTTGAGACAATGGGAAAAGCTGACA 560
Qy 781 TATGGCTTATGCAAACTCCTGAGATTTTCAATTTCTCATCTTCTTACCAAAAGTTG 840
Db 561 TATGGCTTATGCAAACTCCTGAGTTTCAATTTCTCATCTTCTTACCAAAAGTTG 620
Qy 841 ATTTGTTGGAGATTCACCTGCAAACTGCAAACTGCAAACTGCAAACTGCAAACTGCAAACTG 900
Db 621 ATTTGTTGGAGATTCACCT -GCAAACTGCAAACTGCAAACTGCAAACTGCAAACTGCAAACTG 679
Qy 901 TTTGTACAGACTCTGAGAAAATGGTTGTTGGTTTCTCTGGGGTCAGTGATAAGT 960
Db 680 TTTGTACAGACTCTGAGAAAATGGTTGTTGGTTTCTCTGGGGTCAGTGATAAGT 739
Qy 961 AACATGACAGACAGAAAGGCAATGTAAATTTGCAACAGCCCTTGGCAAGATCCCAACAAAG 1020
Db 740 AACATGACAGACAGAAAGGCAATGTAAATTTGCAACAGCCCTTGGCAAGATCCCAACAAAG 799
Qy 1021 GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTGTAGTCTCAATCTCGGCTGTAT 1080
Db 800 GTTCTGTGGAGATTTGACGGGAATAAACAGATGCTTGTAGTCTCAATCTCGGCTGTAT 859
Qy 1081 AAGTGGATACCCAGAAATGACCTTCTAGGTCTATCCAAAACCCAGAGCTTTTATAACTCAT 1140
Db 860 AAGTGGATACCCAGAAATGACCTTCTAGGTCTATCCAAAACCCAGAGCTTTTATAACTCAT 919
Qy 1141 GGTGGAGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTTCA 1200
Db 920 GGTGGAGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTTCA 979
Qy 1201 TTGTTTTGGGATCAACTGATAACATTTGCTCAGATGAAGCCCAAGGAGCAGCTGTTTGA 1260
Db 980 TTGTTTTGGATCAACTGATAACATTTGCTCAGATGAAGCCCAAGGAGCAGCTGTTTGA 1039
Qy 1261 TTGGACTTCAACCAATGTGCGAGTACAGACCTCTGTAATGCACTGAAGACAGTAATTAAT 1320
Db 1040 TTGGACTTCAACCAATGTGCGAGTACAGACCTCTGTAATGCACTGAAGACAGTAATTAAT 1099
Qy 1321 GATCCCTTATATAAGAGAAATATATGAATTTATCAAGAATTCAAATGATCAACAGTA 1380
Db 1100 GATCCCTTATATAAGAGAAATATATGAATTTATCAAGAATTCAAATGATCAACAGTA 1159

RESULT 12

US-10-060-311-1
; Sequence 1, Application US/10060311
; Patent No. 6713295
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001175DIV
; CURRENT APPLICATION NUMBER: US/10/060,311
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-060-311-1

Query Match 65.9%; Score 1128.8; DB 4; Length 1413;
Best Local Similarity 85.4%; Pred. No. 0;
Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;

Qy 1 ATCGCAATGACACAGAGTACTCTGAAATGGAGCTTCAGTTCTTCTGCTGATACATCTCCA 60
Db 7 ATCACATTCGACACAGGATGACTCTGAAATGGAGCTTCAGTTCTTCTGCTGATACATCT-CA 65
Qy 61 GTTGTACTTTAGCTCTGGAGTTGGGAAAGTGTGTTGGGCGCGAGAAATACAGCC 120
Db 66 GTTGTACTTTAGCTCTGGAGTTGGGAAAGTGTGTTGGGCGCGAGAAATACAGCC 125
Qy 121 ATTGGATGAATATGAAGACAAATCCTCAAAGAGCTTCTTTCAGAGAGTTCATGAGGTGACTG 180
Db 126 ATTGGATGAATATGAAGACAAATCCTCAAAGAGCTTCTTTCAGAGAGTTCATGAGGTGACTG 185
Qy 181 TACTGCACTTTCAGCTTCCATCTTTTGTGATCCCAATGATGATGATGATGATGATGATGATG 240
Db 186 TACTGCACTTTCAGCTTCCATCTTTTGTATCCCAATGATGATGATGATGATGATGATGATG 245
Qy 241 AAGTTTATCTACATCTTTTAACTTAAACCTGAAATTTTTCAGAGATATCATCATGCAACAGTTA 300
Db 246 AAGTTTATCTACATCTTTTAACTTAAACCTGAAATTTTTCAGAGATATCATCATGCAACAGTTA 305
Qy 301 AGAGATGGTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 360
Db 306 AGAGATGGTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 365
Qy 361 TCCGTGGGAATTTATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAAGA 420
Db 366 TCCGTGGGAATTTATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAAGA 425

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QY 421 AAGTTATGAAAAAATAACAAGACTCAAGATTGACATCGTTTTTGGCAGATGCTGTTTTTC 480
Db 426 AAGTTATGAAAAAATAACAAGATTGACATCGTTTTTGGCAGATGCTGTTTTTC 485
QY 481 CCTGTGTGAGTCTGCTGCTGCTACTTAAACATACAGTGTGTTGCTACAGTCTCGCTTTA 540
Db 486 CCTGTGTGAGTCTGCTGCTGCTACTTAAACATAC----- 521
QY 541 CTCCTGGCTACACAATTGAAAGGCACAGTGGAGACTGATTTTCCCTCCTTCTACATAC 600
Db 522 ----- 521
QY 601 CTATTGTTATGTCAAAATTAAAGTATCAATGACTTTTCATGGAGAGGGTAAAAATATGA 660
Db 522 ----- 521
QY 661 TCTATGTGCTTTATTTTGACTTTTGGTTCCAAATGCTGATATGAAGAAGTGGGATCAGT 720
Db 522 ----- 521
QY 721 TTTACAGTGAAGTTTTAGGAAGACCCACTACCTTATTTTGACAAATGGGAAAAGCTGACA 780
Db 522 -----GACCCACTACCTTATTTTGACAAATGGGAAAAGCTGACA 560
QY 781 TATGGCTTATCGNAACCTCTGGAGTTTTCNAATTTCTCATCATCTTCTTACCAACGTTG 840
Db 561 TATGGCTTATCGNAACCTCTGGAGTTTTCNAATTTCTCATCATCTTCTTACCAACGTTG 620
QY 841 ATTTTGTGGAGGATTCACCTGGCAAACTCGCCAAACCTTACCTTAAGGAAATGGAGGAG 900
Db 621 ATTTTGTGGAGGATTCACCT-GCAAACTCGCCAAACCTTACCTTAAGGAAATGGAGGAG 679
QY 901 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTTGTGGTGTCTCTGGGGTCAGTGATAAGT 960
Db 680 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTTGTGGTGTCTCTGGGGTCAGTGATAAGT 739
QY 961 AACATGACAGAGAAAGGGCCCAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAG 1020
Db 740 AACATGACAGAGAAAGGGCCCAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAG 799
QY 1021 GTTCTGTGGAGATTGATGGGAATTAACACAGATGCTTGTAGTCTCAATACTCGGCTGTAT 1080
Db 800 GTTCTGTGGAGATTGACGGGAATTAACACAGATGCTTGTAGTCTCAATACTCGGCTGTAC 859
QY 1081 AAGTGGATACCCCAAGATGACCTTCTAGGTGATCCAAAAACCAAGAGCTTTTATAACTCAT 1140
Db 860 AAGTGGATACCCCAAGATGACCTTCTAGGTGATCCAAAAACCAAGAGCTTTTATAACTCAT 919
QY 1141 GGTGGAGCCAAATGGCATCTATAGGGAATCTACATGGGATCCCTATGGTGGGATTTCCA 1200
Db 920 GGTGGAGCCAAATGGCATCTATAGGGAATCTACATGGGATCCCTATGGTGGGATTTCCA 979
QY 1201 TTGTTTTGGGATCAACTGATACATTTGCTCACATGAAGGCCAAGGGAGCAGCTGTAGA 1260
Db 980 TTGTTTTGGGATCAACTGATACATTTGCTCACATGAAGGCCAAGGGAGCAGCTGTAGA 1039
QY 1261 TTGGACTTCAACAAATGTGAGTACAGACCTGCTGAATGCACCTGAAGACAGTAATTAAT 1320
Db 1040 TTGGACTTCAACAAATGTGAGTACAGACCTGCTGAATGCACCTGAAGACAGTAATTAAT 1099
QY 1321 GATCCTTTATATAAGAGAAATATATGAAATTTATCAAGATTTCAACATGATCAACCAAGTA 1380
Db 1100 GATCCTTTATATAAGAGAAATATATGAAATTTATCAAGATTTCAACATGATCAACCAAGTA 1159
QY 1381 AAGCCCTCGGATCGAGCAGTCTTCTGGAATTGAAATTTGCTCATGCCCAACAAAGGCCAAA 1440
Db 1160 AAGCCCTCGGATCGAGCAGTCTTCTGGAATTGAAATTTGCTCATGCCCAACAAAGGCCAAA 1319
QY 1441 CACCTCGAGTTGAGGCCCATGACCTCACTCGGTTCCAGTACCACCTCTTTGGATGTGATT 1500
Db 1220 CACCTCGAGTTGAGGCCCATGACCTCACTCGGTTCCAGTACCACCTCTTTGGATGTGATT 1279
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QY 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCACAAGTTTTTGTGTTT 1560
Db 1280 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCACAAGTTTTTGTGTTT 1339
QY 1561 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGAAAGAGAGATTAGTTATGCTGAC 1620
Db 1340 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGAAAGAGATTAGTTATGCTGAC 1399
QY 1621 TTTGAAGCTGGA 1632
Db 1400 TTTGAAGCTGGA 1411

RESULT 13
US-09-949-016-2735
; Sequence 2735, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2735
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2735

Query Match 55.0%; Score 941.8; DB 4; Length 1323;
Best Local Similarity 83.6%; Pred. No. 1e-266;
Matches 1104; Conservative 0; Mismatches 212; Indels 5; Gaps 3;

QY 11 ACCAGAGTACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTTACTT 70
Db 5 ACCAGAGTGTCTGAAATGGAGCTCAGTCTCTTCTGCTGATACAGCT-CAGTTGTTACTT 63
QY 71 TACTCTGGAGTTGTGAAAAAGTGTGTGGCGCGCAGAAATACAGCCATTTCGATGAA 130
Db 64 TACTCTGGAGTTGTGAAAAAGTGTGTGGCGCGCAGAAATACAGCCATTTCGATGAA 123
QY 131 TATGAAGACAATCCTGAAAGAGCTTTGTTTCAGAGAGGTTCATGAGGTGACTGTACTGGCATC 190
Db 124 TATGAAGACAATCCTGAAAGAGCTTTGTTTCAGAGAGGTTCATGAGGTGACTGTACTGGCATC 183
QY 191 TTGAGTTTCAATCTTTTTCATCCCAATGATGATCCACTCTTAAATTTGAAGTTTATCC 250
Db 184 TTCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTTAGAAGTTTATCC 243
QY 251 TACATCTTTAACTAAAACTGAAATTTTGAGAAATATCATCATCAACAGGTTCAGAGATGG-- 308
Db 244 TACATCTTTAACTAAAAATTTTGGAGATTTCTCTCTGAAATTTCTCGATAGATGAT 303
QY 309 -TCAGACATTCGAAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAAGAAATCCTGTG 367
Db 304 ATATGGTTTCAAAAAATACATTTTGGTTCATATTTTTCACAAATTTACAAGAAATTTGTTG 363
QY 368 GGAATTTATGACATATTTTGAAGAACTTCTGTAAGATGTAAGTTTCAATTAAGAAAGTTAT 427
Db 364 GGAATTTATGACTACAGTAACAAGCTCTGTAAGATGTAAGTTTGAATTAAGAAATTTAT 423
QY 428 GAAAAAATACAGAGTCAAGATTTTGACATCGTTTTTGGCAGATGCTGTTTTTCCCTGTGG 487
Db 424 GATGAATAACAGAGTCAAAAGTTTGATGTCTTCTGGCAGATGCCCTTAATCCCTGTGG 483
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QY 488 TGAGCTGCTGGCTGCGCTACTTAAACATACGGTTTGTGTACAGTCTCGCTTTTACTCTGG 547
Db 484 TGAGCTACTGGCTGAACATATTTAAACATACCCCTTCTGTACAGTCTTCGATTTCTGTGG 543
QY 548 CTACACAATTTGAAAGGCACAGTGGAGACTGATTTTCCCTCCCTTCTTACATACCTATTGT 607
Db 544 CTACACAATTTGAGAAGAAATGGTGGAGATTCTGTTCCTCCCTTCTTATGTACCTGTGT 603
QY 608 TATGTCAAAATTAAGTGATCAAAATGACTTTCATGGAGAGGGTAAAAATATGATCTATGT 667
Db 604 TATGTCAGAATTAAGTGATCAAAATGATTTTTCATGGAGAGGATAAAAATATGATACATAT 663
QY 668 GCCTTTATTTTGTACTTTTGGTTCCAAATGCTGTATATGAAGAAGTGGGATCAGTTTTACAG 727
Db 664 GCCTTTATTTTGTACTTTTGGTTTCAAAATTAATGATCTGAAGAAGTGGGACCGATTTATAG 723
QY 728 TGAAGTTTTAGGAAGACCCACTACCTTTATTTGAGACAAATGGGAAAAGCTGACATATGGCT 787
Db 724 TGAAGTTCTAGGAAGACCCACTACATTTATTTGAGACAAATGGGAAAAGCTGAAATGGCT 783
QY 788 TATGCGAAACTCTGGAGTTTTCAATTTCTCTCATCATCTTCTTACCAAAAGTTCGATTTGT 847
Db 784 CATTCGAAACCTATTGGGATTTTGAATTTCTCTCGCCCAATCTTACCAAAATGTTGATTTGT 843
QY 848 TGGAGGATTCCTACTGGCAAACTGCCAAACCCCTACTAGGAAATGGAGAGTTTGTAC 907
Db 844 TGGAGGACTTCACT - GTAACCAAGCAACCCCTGCTTAAGGAAATGGAAAGTTTGTGC 902
QY 908 AGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTCTCTGGGGTCAAGTGAATGAATGA 967
Db 903 AGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTCTCTGGGGTCAAGTGAATGAATGA 962
QY 968 CAGCAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAGGTTCTGT 1027
Db 963 CAGAAGAAAGTGGCAACATGATTTGCATCAGCCCTTGGCCAGATCCCAAAAAGGTTCTAT 1022
QY 1028 GGAGATTTGATGGAAATAAACACAGATGCTTGTGTGTGTCTCAATACTCGSGCTGTATAAGTGA 1087
Db 1023 GGAGATTTGATGGCAAGACCAATACTTTAGTTTCCAATATCTGACTGTACAGTGT 1082
QY 1088 TACCCAGAAATGACCTTCTTAGGTATCCAAAACCAAGAGCTTTTATACTCATGGTGGAG 1147
Db 1083 TACCCAGAAATGACCTTCTTTGGTATCCCAAAACCAAGCTTTTATACTCATGGTGGAA 1142
QY 1148 CCAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATTCGATTTT 1207
Db 1143 CCAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATTCCTTTGTTG 1202
QY 1208 GGGATCAACCTGATTAACATTTGCTCACATGAAGGCCAAGGGAGCAGCTGTTAGATTGGACT 1267
Db 1203 GGGATCAACATGATTAACATTTGCTCACATGAAGGCCAAGGGAGCAGCCCTCAGTGTGGACA 1262
QY 1268 TCAACACAATSTCGAGTACAGACTGCTGAATGCATGGAAGACAGATTAATGATCCTT 1327
Db 1263 TCAGGACCATGTCAGTAGAGATTGCTCAATGCAATGCAATGGAAGTCAATTAATGACCTG 1322
QY 1328 T 1328
Db 1323 T 1323
```

RESULT 14

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US-09-949-016-2736
; Sequence 2736, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
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; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2736
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2736
```

```
Query Match 55.0%; Score 941.8; DB 4; Length 1323;
Best Local Similarity 83.8%; Pred. No. 1e-266;
Matches 1104; Conservative 0; Mismatches 212; Indels 5; Gaps 3;

QY 11 ACCAGGATGACTCTGAAATGGACTTTCAGTTCCTCTGCTGATACATCTCCAGTTGTACTT 70
Db 5 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCT - CAGTTGTACTT 63
QY 71 TAGCTCTGGAGTTGTGGAAAAGTGTGTTGGGCCGGCAGAAATACAGCCATTTGGATGAA 130
Db 64 TAGCTCTGGAAGCTGTGGAAAAGTGTAGTGTGGCCACAGAAATACAGCCATTTGGATGAA 123
QY 131 TATGAAGACAATCCTGAAAAGCTTCTTCAGAGAGGTTCATGAGGTGACTGTACTTGGCATC 190
Db 124 TATGAAGACAATCCTGGAAGAGCTTGTTCAGAGGGGTCTGAGGTGACTGTGTGACATC 183
QY 191 TTCAAGCTTCCATTTCTTTTGTATCCCAATGATGATCCACTCTTTAAATTTGAAGTTTATCC 250
Db 184 TTCCGGCTTCTACTTCTGTCATGCCAGTAAATCATCTGCTATTATAATTAAGTTTATCC 243
QY 251 TACATCTTTAACTAAACCTGAAATTTGAGAAATATCATCATGCAACAGGTTAAGAGATGG-- 308
Db 244 TACATCTTTAACTAAACCTGAAATTTTGAAGATTTCTTCTGAAAATTTCTCGATAGATGGAT 303
QY 309 -TCAGACATTTGAAAAGATAGCTTTTGGTTTATATTTTCAACAAGAAACAAGAAATCCCTGTG 367
Db 304 ATATGTTGTTTCAAAAATACATTTTGGTTCATATTTTCAACAATTAACAAGATTTGTTG 363
QY 368 GGAATTTATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAAGTTAT 427
Db 364 GGAATTTATGACTACAGTAAACAAGCTCTGTAAAGATGCAAGTTTGAATTAAGAAACTAT 423
QY 428 GAAAAAATACAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCCTGTGG 487
Db 424 GATGAAAATACAGAGTCAAAAGTTTGTATGTCATTCTTGGCAGATGCCCTTAATCCCTGTGG 483
QY 488 TGAGCTGCTGGCTGCGCTACTTAAACATACGGTTTGTGTACAGTCTCGGCTTTTACTCTCTGG 547
Db 484 TGAGCTACTGGCTGAACTATTTAAACATACCCCTTCTGTACAGTCTTCGATTTCTCTGTGG 543
QY 548 CTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCCTTCTTACATACCTATTGT 607
Db 544 CTACACAATTTGAGAAGAAATGGTGGAGGATTTCTGTTCCCTTCTTCTATGTACCTGTGT 603
QY 608 TATGTCAAAATTAAGTGATCAAAATGACTTTCATGGAGAGGGTAAAAATATGATCTATGT 667
Db 604 TATGTCAGAATTAAGTGATCAAAATGATTTTTCATGGAGAGGATAAAAATATGATACATAT 663
QY 668 GCCTTTATTTTGTACTTTTGGTTTCCAAATGCTGTATATGAAGAAGTGGGATCAGTTTTACAG 727
Db 664 GCCTTTATTTTGTACTTTTGGTTTCAAAATTAATGATCTGAAGAAGTGGGACCGATTTATAG 723
QY 728 TGAAGTTTTAGGAAGACCCACTACCTTTATTTGAGACAATGGGAAAAGCTGACATATGGCT 787
Db 724 TGAAGTTCTAGGAAGACCCACTACATTTATTTGAGACAATGGGAAAAGCTGAAATGTGGCT 783
QY 788 TATGCGAAACTCTGGAGTTTTCAATTTCTCTCATCATCTTCTTACCAAAAGTTCGATTTGT 847
Db 784 CATTCGAAACCTATTGGGATTTTGAATTTCTCTCGCCCAATCTTACCAAAATGTTGATTTGT 843
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Qy 848 TGGAGGATTCACCTGGCCAAACCTGCCAAACCCCTACCTAAGGAAATGGAGAGTTTGTAC 907
Db 844 TGGAGGACTTTCACCT-GTAAACACGACCAACCCCTCCCTAAGGAAATGGAGAGTTTGTGC 902
Qy 908 AGAGCTCTGGAGAAAATGGTGTCTGGTGTCTCTCTGGGGTCAAGTAAAGTAAACATGA 967
Db 903 AGAGCTCTGGAGAAAATGGTAAATGGTGTCTCTCTGGGGTCAAGTAAAGTAAACATGT 962
Qy 968 CAGCAGAAAGGGCCAAATGTAAATTCACACAGCCCTTGCCAAAGATCCCAACAAAGGTTCTGT 1027
Db 963 CAGAAGAAAGTGCCAAACATGATTGCATCAGCCCTTGCCAGATCCCAACAAAGGTTCTAT 1022
Qy 1028 GGAGATTGTAGGGAATTAACACAGATGCTTAGGTCTCAATACCTCGGCTGTAAAGTGA 1087
Db 1023 GGAGATTGTAGGGAAGAACCAATATCTTAGGTTCCAATACCTCGACTGTACAAAGTGT 1082
Qy 1088 TACCCCAAGATGACCTCTTAGGTGCATCCAAACACAGAGCTTTTATAACTCATGGTGGAG 1147
Db 1083 TACCCCAAGATGACCTCTTAGGTGCATCCAAACACCAAGCTTTTATAACTCATGGTGGAA 1142
Qy 1148 CCAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATCCATTGTTTT 1207
Db 1143 CCAATGGCATCTATGAGGCGATCTACCATGGATCCCTATGTTGGGCAATCCCTTGTGTG 1202
Qy 1208 GGGATCAACCTGTAAATGCTCTCACATGAAGGCCAAGGAGAGCTGTTAGATTGGACT 1267
Db 1203 GGGATCAACATGATAACATTTGCTCACATGAAGGCCAAGGAGAGCTGTTAGTGGACA 1262
Qy 1268 TCACACAAATGTCAGTACAGACTGCTGATGACCTGACATGACATGAACATTAATGATCCTT 1327
Db 1263 TCAGGACCATGTCAAGTAGAGATTGCTCAATGCAATTGAAGTCAAGTCAATTAAGACCCCTG 1322
Qy 1328 T 1328
Db 1323 T 1323

RESULT 15
US-09-796-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-796-594-241

Query Match 43.4%; Score 742.8; DB 4; Length 2966;
Best Local Similarity 68.3%; Pred. No. 6.7e-208;
Matches 1056; Conservative 0; Mismatches 483; Indels 7; Gaps 2;

Qy 70 TTAGCTCTGGAGTTGTGAAAAGTGTCTGGTGTGGCGGCGAGAAATACAGCCATTGGATGA 129
Db 82 TTGGCTGTGGAATCTGTGGGAAAGTCTCTGGTGTGGCCCTGTGACATGAGCCATTGGCTTA 141
Qy 130 ATATGAACACATCCTGAAGAGCTTGTTCAGAGAGCTCATGAGTCACTGCTACTGCGCAT 189
Db 142 ATGTCAGGCTCAATCTAGAGAGCTCATAGTGAGAGGCCCATGAGGTAAACAGTATTGACTC 201
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Qy 190 CTTACAGCTTCATTTCTTTTGTATCCCAATGATGCATCCACTCTTTAAATTTGAAGTTTATC 249
Db 202 ACTCAAAAGCCCTTCGTTAAATTTGACTACAGGAAGCCTTCTGCATTTGAAATTTGAGGTGGTCC 261
Qy 250 CTACATCTTTAACTTAAACCTGAATTTTGAGAAATCATCATCAACAGCTTTAAGAGATGGT 309
Db 262 ATATGCCACAGGACAGACAGAAAGAAATGAAATTTATTTGTGACCTAGCTCTGA----- 315
Qy 310 CAGACATTTCAAAAAGATAGCTTTTGTGTATATTTTTCACAAGAACAAAGAAATCTGTGGG 369
Db 316 ATGCTTTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAATTTAAATGATTTTTTGTGTG 375
Qy 370 AATTATATGACATATTTAGAAAATCTTCTGTAAAGATGTAGTTTCAAATAAGAAAATGTATGA 429
Db 376 AAATAAGAGGAACTTTAAAAAATGATGTGTGAGAGCTTTATCTACAATACAGACGCTTATGA 435
Qy 430 AAAAACTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGCTGGTG 489
Db 436 AGAAGCTTACAGGAAACCAACTAGATGTAATGCTTATAGACCCCTGTGATTTCCCTGTGGAG 495
Qy 490 AGCTGTGGCTGGCTACTTTAAACATACGGTTTGTGTACAGTCTCCGCTTTACTCCTGGCT 549
Db 496 ACCTGATGGCTGAGTTGCTTTGCAGTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGGAG 555
Qy 550 ACACAAATTGAAGGACACAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCTATTGTTA 609
Db 556 GCAATATGGAGCGAAGCTGTGGGAAACCTTCAGCTCCACTTTCTCTATGTACCTGTGCCTA 615
Qy 610 TGTCAAAATTAAGTGATCAAAATGACATTTTCATGGAGAGGTAAATAATATGATCTATGTGC 669
Db 616 TGACAGGACTTAAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAATTTCAATGCTTTT 675
Qy 670 TTTATTTTGTGCTTTTGGTTCCAAATGTCTGATATGAAGAAGTGGGATTCAGTTTACAGTG 729
Db 676 TTTTGTTCACCTTCTGGATTCAGATTTACAGTATCATTTTTTGGGAAGAGTTTTTATAGTA 735
Qy 730 AAGTTTGAAGAACCCACTACCTTATTTGAGACAAATGGGAAAAGCTGACATATGGCTTA 789
Db 736 AGGCATTTAGGAAGGCCCACTACATTTATGTGAGACTGTGGGAAAAGCTGAGATATGGCTAA 795
Qy 790 TGGGAAACTCTCTGGAGTTTTCATTTCCCTCATCTCATTTTACCACAAAGCTTGATTTTGTG 849
Db 796 TACGAAACATATTGGGATTTTTGAAATTTTCTCAACATACCAACCTAACTTTGAGTTTGTG 855
Qy 850 GAGGATTCACCTGGCAACCTGCAAAACCCCTACTAAGGAAATGGAGGAGTTTGTACAG 909
Db 856 GAGATTGCACT-GTAAACCTGCCAAAGCTTTGCCTAAGGAAATGGAAAATTTTGTCCAG 914
Qy 910 AGCTCTGGAGAAAATGGTGTGTGGTGTCTCTCTGGGGTCAAGTAAAGTAAACATGACA 969
Db 915 AGTTCAAGGGAAGATGGTATTTGGTGTCTCTCTGGGGTCACTGTTTCAAAATGTTTACA 974
Qy 970 GCAGAAAGGCCCAATGTAATTTGCAACAGCCCTTGCCCAAGATCCCAACAAAGTTCTGTGG 1029
Db 975 GAAGAAAAGGCTAATATCATTTGCTTACGCCCTTGCCAGATCCCAAGAGGTTTATGG 1034
Qy 1030 AGATTTTGCATGGGAATAAAACAGATGCTTAGGTCTCAATACTCGGCTGTATAAGTGGATA 1089
Db 1035 AGGTACAAGGAAAAAACCAATCCACATTAAGGAGCCAACTACTCGGCTGTATGATTGGATA 1094
Qy 1090 CCCCAGAAATGACCTTCTAGGTCATCCCAAAACCAAGAGCTTTTATAACTCATGTGGAGCC 1149
Db 1095 CCCCAGAAATGATCTTCTGTGTCTATCCCAAAACCAAGAGCTTTTATCACTCATGTGGTGAATG 1154
Qy 1150 AATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATTCATTTGTTTGG 1209
Db 1155 AATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGTTGGGAGTTCCCATATTTGGT 1214
Qy 1210 GATCAACCTGATAACTGCTCACATGAAGGCCAAGGAGAGAGCTGTTAGATTGCACTTC 1269
Db 1215 GATCAGCTTGATAACTAGCTCACATGAAGGCCAAGGAGAGAGCTGTAGAAAATAAATCTTC 1274
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Qy	1270	AACACAAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGATCCTTTA	1329
Db	1275	AAAACTATGCAAGCGAAGATTTACTGAGGCTTTGAGAACAGTCATTACCGATTCTCT	1334
Qy	1330	TATAAAGAGAAATATTATGAAATTTCAAGAAATTCACATGATCAACCCAGTAAAGCCCTG	1389
Db	1335	TATAAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTGTAAGCCCCCTA	1394
Qy	1390	GATCGAGCAGTCTTCTGGATTGAATTTGTCATGCCCCACAAAGGAGCCAAACACCTTCGA	1449
Db	1395	GATCGAGCAGTCTTCTGGATCGAGTTGTCTATGGCCACAAAGGAGCCAAACACCTTCGA	1454
Qy	1450	GTTGCGAGCCCATGACCTCACTGGTTCACGTACCACTCTTTGGATGTGATGGGTTCTG	1509
Db	1455	TCAGCTGCCCATGACCTCACTGGTTCACGTACCACTCTATAGATGTGATGGGTTCTG	1514
Qy	1510	CTGCCCTGTGTGGCAACTGTGATATTATCATCACAAGTTTTGTCTGTTTCTTTCTGG	1569
Db	1515	CTGACCTGTGTGGCAACTGTGATATTCTTGTTCACAAATGTTTTATTTCTCTGTCAA	1574
Qy	1570	AAGTTTGCTAGAAAAGGGAAGGAAAGAGATTAGTTATGTC	1615
Db	1575	AAATTTAATAAACTAGAAAGATAGAAAAGAGGGGAATAGATCTTTC	1620

Search completed: October 11, 2005, 06:20:53
Job time : 328 secs